Government of
Saskatchewan

Statistical Supplement for the Year Ending December 31, 1987

Saskatchewan Health

Vital Statistics

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Government of
Saskatchewan

Statistical Supplement for the Year Ending December 31, 1987

Saskatchewan Health
Vital Statistics
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Department of Health

To The Honourable Sylvia Fedoruk,
Lieutenant Governor of Saskatchewan.

May It Please Your Honour:

We beg to present herewith, for your consideration, the annual report on Saskatchewan vital statistics for the calendar year 1987.

Respectfully submitted,

George McLeod,
Minister of Health.

Jack Wolfe,
Associate Minister of Health.

Department of Health

To The Honourable George McLeod,
Minister of Health.

Sir:

I have the honour to forward herewith the annual report on Saskatchewan vital statistics for the calendar year 1987.

Respectfully submitted,

Dr. Bill MacDonald
Deputy Minister of Health.

Foreword

The Saskatchewan Vital Statistics Annual Report 1987 has been prepared subsequent to the Interim Report on Saskatchewan Vital Statistics for the Calendar Year 1987, which was tabled in the Legislative Assembly on June 9, 1988. The Interim Report is based on place of occurrences in Saskatchewan regardless of place of residence. This Annual Report is based on occurrences to Saskatchewan residents regardless of where they took place.

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Terms and Definitions

A summary of symbols, definitions, and the method of computing rates used in this report are given below.

Symbols:

n.a. figures not available
— nil or zero

Definitions:

Population — unless otherwise indicated, resident population as enumerated in census years or estimated for intercensal years.
— 1972-1975, 1977-1980, 1982-1985, 1987 — June 1 intercensal estimates.
— 1921-1971, 1976, 1981, 1986 — census or revised estimates.

Births — unless otherwise indicated, infants born alive, i.e. excluding stillbirths.

Stillbirths — unless otherwise indicated, foetal deaths of 20 or more weeks' gestation.

Deaths — unless otherwise indicated, exclude stillbirths.

Infant deaths — deaths under 1 year of age.

Neonatal mortality — deaths under 28 days (4 weeks) of age.

Maternal mortality — deaths due to delivery and complications of pregnancy, childbirth and the puerperium (Categories 630-676 International List).

Perinatal mortality — foetal deaths of 20 or more weeks' gestation plus infant deaths under 7 days (1 week) of age.

Natural increase — excess of births over deaths.

Crude rates — birth, marriage, death and natural increase rates per 1,000 population

Age-specific fertility rates — birth rate per 1,000 women in the respective age period.

Total fertility rates — sum of female age-specific fertility rates, multiplied by 5.

General fertility rates — birth rate per 1,000 women 15-49 years.

Gross reproduction — average number of live daughters that would be born to a hypothetical female birth cohort if subjected to current age-specific fertility rates, and assuming that mortality before age 50 is zero.

Total births — live births and stillbirths.

Years of Life Lost — number of years between age at death and mean life expectancy for that age.

Age — complete ages in years, months, etc.

Average age — arithmetic mean.

Median age — age above and below which half of the total events occur.

Rates

(unless otherwise indicated, computed as follows)

Live births: per 1,000 population.

Stillbirths: per 1,000 live births.

Deaths: per 1,000 population.

Infant: per 1,000 live births.

Neonatal: per 1,000 live births.

Maternal: per 1,000 live births.

Perinatal: per 1,000 total births.

Causes of death
All causes: per 100,000 population.

Infant: per 1,000 live births.

Marriages: per 1,000 population.

Divorces: per 100,000 population.

Natural increase: per 1,000 population.

Notes:

1. Causes of death are coded according to the 9th 1975 Revision of the International Classification of Diseases, Injuries and Causes of Death, which was put into effect on January 1, 1979.
2. Rates and percentages may not add to 100.0 due to rounding.
3. Inquiries about this publication should be addressed to:

Vital Statistics Branch
Saskatchewan Health
1919 Rose Street
Regina, Saskatchewan
S4P 3P1 (306) 787-3110

Introduction

Population

At the turn of the century, the first heavy settlement took place in Saskatchewan. This was a period of record migration from overseas, supplemented by a massive east-west movement on the continent itself. This trend, however, reversed during the 1930's. Low fertility and low mortality prevailed and the migration of people began in the opposite direction. After World War II, the fertility rate reversed from low to moderate while the mortality rate remained low. During the 1950's and 1960's, losses in population continued but the higher rate of natural increase counterbalanced these losses. Between 1968 and 1974, the population declined until the 1974 population was less than that of 1961. The population has since shown a marked increase.

Year	*Population (000's)*[1]
1921	757
1931	922
1941	896
1951	832
1961	925
1971	926
1981	968
1987	1,014

[1] *Source — Statistics Canada.*

During the past 30 years, the proportion of older people (65 years and over) has been increasing both in Canada as a whole and in Saskatchewan.

Percentage Distribution of the Total Population

	Canada		*Saskatchewan*	
Age	*1982*	*1987*	*1982*	*1987*
0-19	31.3	28.6	33.9	32.0
20-44	39.7	41.3	35.2	37.5
45-64	19.1	19.2	18.7	17.6
65+	9.9	10.9	12.2	12.9

Percentage Distribution by Sex, Saskatchewan

Year	*Male*	*Female*	*Males per 100 Females*
1921	54.6	45.4	120
1931	54.2	45.8	119
1941	53.3	46.7	114
1951	52.2	47.8	109
1961	51.8	48.2	108
1971	50.8	49.2	103
1981	50.2	49.8	101
1987	50.0	50.0	100

Births

During the 1920's and 1930's the birth rate was characterized by a declining trend and reached a record low in the late 1930's. Gradually rising during the war years, the rate turned sharply upward, culminating in the peak of 1947. After a dip in the late 1940's, a steady rise occurred until a new peak was reached in 1954. The birth rate had been decreasing until it reached its new record low of 16.4 in 1973. The year 1974 indicated a slight increase with the birth rate at 16.8, and by 1982 the rate had risen to 18.1. Since then the birth rate had gradually been decreasing and by 1987 the rate had fallen to 16.8 per 1,000 population.

Live Birth Rates per 1,000 Population, Canada and Provinces, 1987[1]

	Rate
Canada	14.4
Newfoundland	13.1
Prince Edward Island	15.4
Nova Scotia	13.8
New Brunswick	13.5
Quebec	12.7
Ontario	14.5
Manitoba	15.7
Saskatchewan	16.8
Alberta	17.7
British Columbia	14.3

[1] *Source — Statistics Canada.*

Stillbirths are near an all-time low.

Stillbirth Rates per 1,000 Live Births, Canada and Provinces, 1987[1]

	Rates Weeks Gestation	
	20+	*28+*
Canada	6.2	4.3
Newfoundland	5.9	4.0
Prince Edward Island	6.6	4.1
Nova Scotia	8.1	5.8
New Brunswick	4.8	3.9
Quebec	5.5	4.1
Ontario	6.7	4.5
Manitoba	6.7	4.4
Saskatchewan	5.6	3.9
Alberta	6.1	4.2
British Columbia	6.8	3.8

[1] *Source — Statistics Canada.*

Deaths

The current crude death rate of 7.7 per 1,000 population in Saskatchewan is higher than the 1921 crude death rate (7.4). Since 1921, the average age of decedents has more than doubled. Saskatchewan's crude death rate is higher than that for Canada as a whole (7.7 and 7.2 respectively).

Death Rates per 1,000 Population, Canada and Provinces, 1987[1]

	Rate
Canada	7.2
Newfoundland	6.4
Prince Edward Island	8.8
Nova Scotia	8.1
New Brunswick	7.6
Quebec	7.2
Ontario	7.3
Manitoba	8.1
Saskatchewan	7.7
Alberta	5.6
British Columbia	7.5

[1] *Source — Statistics Canada.*

Growth of the older population brought prominence to those diseases which are associated with the conditions of middle and old age, namely the cardio-vascular and renal diseases, and cancer as the leading causes of death. Another leading cause of death, accidents, came into prominence as a result of reductions in mortality from infections and certain other diseases once considered fatal.

Although there have been small fluctuations in the rate of infant deaths per 1,000 live births, on the whole this rate has been decreasing steadily since the record high of 92 infant deaths per 1,000 live births in 1923.

Maternal mortality has been virtually eliminated in Saskatchewan, with just one maternal death occurring in 1987 and one maternal death occurring in 1986.

Natural Increase

During 1987, the net increase exceeded the natural increase in population, indicating net immigration to the province.

Marriages

During the 1930's, the marriage rate declined. A rise occurred during World War II, followed by a declining trend until 1962. The rate had been rising since 1962 until 1977 and 1978 which again showed a declining trend. The rate for 1987 was the same as that in 1986 (6.8 and 6.8 respectively).

Marriage Rate per 1,000 Population, Canada and Provinces, 1987[1]

	Rate
Canada	7.1
Newfoundland	6.1
Prince Edward Island	7.3
Nova Scotia	7.6
New Brunswick	6.9
Quebec	4.9
Ontario	8.2
Manitoba	7.4
Saskatchewan	6.8
Alberta	7.8
British Columbia	8.0

[1] *Source — Statistics Canada.*

Divorces and Annulments

In 1987 there were 2,909 divorces and annulments in Saskatchewan, with a rate of 287 per 100,000 population. This is an increase over the 1986 rate of 243 per 100,000 population.

Table 1. Summary of Vital Statistics, Saskatchewan, 1982-1987

Item	1982	1983	1984	1985	1986	1987
Population (1,000's)	979	993	1,006	1,020	1,010	1,014
Live births	17,722	17,847	18,014	18,162	17,513	17,034
Rate*	18.1	18.0	17.9	17.8	17.3	16.8
Deaths	8,202	7,611	7,710	8,031	8,061	7,808
Rate*	8.4	7.7	7.7	7.9	8.0	7.7
Natural increase	9,520	10,236	10,304	10,131	9,452	9,226
Rate*	9.7	10.3	10.2	9.9	9.4	9.1
Gross reproduction rate	1.072	1.052	1.028	1.007	1.014	0.999
Infant deaths	186	180	169	200	157	155
Rate†	10.5	10.1	9.4	11.0	9.0	9.1
Neonatal deaths	113	103	101	123	96	87
Rate†	6.4	5.8	5.6	6.8	5.5	5.1
Perinatal deaths						
Based on 20+ weeks gestation period for stillbirths	231	216	214	207	181	163
Rate††	13	12	12	11	10	10
Based on 28+ weeks gestation period for stillbirths	195	188	173	166	143	135
Rate††	11	11	10	9	8	8
Stillbirths						
20+ weeks gestation	139	126	128	111	108	95
Rate†	7.8	7.1	7.0	6.1	6.2	5.6
28+ weeks gestation	103	98	87	70	70	67
Rate†	5.8	5.5	4.8	3.8	4.0	3.9
Marriages	7,491	7,504	7,213	7,132	6,820	6,853
Rate*	7.6	7.6	7.2	7.0	6.8	6.8
Divorces and annulments	1,815	2,000	1,988	1,927	2,449	2,909
Rate**	185	202	198	189	243	287

* *Rate per 1,000 population.*
† *Rate per 1,000 live births.*
†† *Rate per 1,000 total births (live births and stillbirths).*
** *Rate per 100,000 population.*

Table 2. Natural Increase and Actual Increase, Saskatchewan, 1961-1987

Year	Population	Live births	Deaths	Natural increase		Estimated actual increase	
				Number	Rate*	Number	Rate*
1961	925,181	23,994	7,107	16,887	18.3	10,181	11.0
1962	930,000	23,341	7,004	16,337	17.6	4,819	5.2
1963	933,000	23,543	7,441	16,102	17.2	3,000	3.2
1964	942,000	22,682	7,373	15,309	16.3	9,000	9.6
1965	950,000	20,494	7,417	13,077	13.8	8,000	8.4
1966	955,344	19,037	7,427	11,610	12.2	5,344	5.6
1967	957,000	17,993	7,441	10,552	11.0	1,656	1.7
1968	960,000	18,197	7,498	10,699	11.1	3,000	3.1
1969	958,000	17,592	7,492	10,100	10.5	−2,000	−2.1
1970	941,000	16,443	7,472	8,971	9.5	−17,000	−18.1
1971	926,242	16,054	7,413	8,641	9.3	−14,758	−15.9
1972	914,000	15,473	7,590	7,883	8.6	−12,242	−13.4
1973	904,500	14,806	7,646	7,160	7.9	−9,500	−10.5
1974	899,700	15,118	7,814	7,304	8.1	−4,800	−5.3
1975	907,400	15,265	7,672	7,593	8.4	7,700	8.5
1976	921,325	15,969	7,809	8,160	8.9	13,925	15.1
1977	937,000	16,547	7,593	8,954	9.6	15,675	16.7
1978	948,400	16,551	7,749	8,802	9.3	11,400	12.0
1979	959,000	16,944	7,369	9,575	10.0	10,600	11.0
1980	970,100	17,057	7,651	9,406	9.7	11,100	11.4
1981	968,310	17,209	7,523	9,686	10.0	−1,790	−1.8
1982	979,100	17,722	8,202	9,520	9.7	10,790	11.0
1983	992,700	17,847	7,611	10,236	10.3	13,600	13.7
1984	1,006,200	18,014	7,710	10,304	10.2	13,500	13.4
1985	1,019,500	18,162	8,031	10,131	9.9	13,300	13.0
1986	1,009,615	17,513	8,061	9,452	9.4	−9,885	−9.8
1987	1,014,000	17,034	7,808	9,226	9.1	4,385	4.3

* *Rate per 1,000 population.*

Table 3. Live Births and Deaths by Place of Occurrence and Place of Residence, Saskatchewan, 1987*

Item	Live births	Deaths
OCCURRING IN SASKATCHEWAN	**17,004**	**7,786**
Saskatchewan residents	16,642	7,650
Non-residents	362	136
— Canadian residents	357	130
— United States residents	—	2
— Other	5	4
OCCURRING TO SASKATCHEWAN RESIDENTS	**17,034**	**7,808**
In Saskatchewan	16,642	7,650
Elsewhere	392	158
— In Canada	391	156
— In United States	1	2

* *Source — Statistics Canada.*

Table 4. Population of Saskatchewan by Age Groups and Sex, 1985-1987*

Age group	1985		1986		1987	
	Number	Per cent	Number	Per cent	Number	Per cent
	Both sexes					
All ages	1,019,500	100.0	1,009,615	100.0	1,014,000	100.0
0-4	85,300	8.4	85,900	8.4	85,900	8.5
5-9	82,200	8.1	82,345	7.9	82,900	8.2
10-14	79,400	7.8	77,480	8.0	78,100	7.7
15-19	81,200	8.0	78,610	8.9	77,700	7.7
20-24	96,800	9.5	88,895	9.3	85,100	8.4
25-29	90,600	8.9	89,075	8.7	88,600	8.7
30-34	79,900	7.8	81,430	7.3	83,800	8.3
35-39	65,600	6.4	66,885	5.9	68,100	6.7
40-44	50,700	5.0	51,270	4.9	54,700	5.4
45-49	44,800	4.4	44,785	4.5	45,400	4.5
50-54	45,400	4.5	44,225	4.7	43,600	4.3
55-59	46,100	4.5	45,460	4.7	44,900	4.4
60-64	45,000	4.4	44,650	4.5	44,100	4.3
65-69	40,500	4.0	40,835	4.1	41,100	4.1
70-74	34,400	3.4	34,715	3.3	35,300	3.5
75-79	24,300	2.4	25,020	2.3	25,700	2.5
80-84	15,400	1.5	15,710	1.4	16,400	1.6
85-89	7,700	0.7	7,970	0.8	8,300	0.8
90+	4,600	0.4	4,350	0.4	4,400	0.4
	Male					
All Ages	510,200	100.0	504,365	100.0	506,600	100.0
0-4	43,700	8.6	43,940	8.7	43,900	8.7
5-9	42,000	8.2	42,305	8.1	42,800	8.4
10-14	40,600	8.0	39,380	8.2	39,600	7.8
15-19	41,700	8.2	40,300	9.1	39,800	7.9
20-24	49,100	9.6	44,670	9.3	42,900	8.5
25-29	45,600	8.9	45,070	8.8	44,800	8.8
30-34	40,800	8.0	41,535	7.4	42,600	8.4
35-39	33,300	6.5	34,120	6.0	34,900	6.9
40-44	25,700	5.0	25,995	4.8	27,800	5.5
45-49	22,600	4.4	22,460	4.5	22,700	4.5
50-54	22,900	4.5	23,325	4.7	22,000	4.3
55-59	22,900	4.5	22,700	4.7	22,400	4.4
60-64	21,900	4.3	21,790	4.4	21,600	4.3
65-69	19,100	3.7	19,220	3.9	19,300	3.8
70-74	15,900	3.1	15,945	3.1	16,100	3.2
75-79	11,100	2.2	11,240	2.1	11,500	2.3
80-84	6,700	1.3	6,785	1.3	7,000	1.4
85-89	3,000	0.6	3,130	0.6	3,300	0.7
90+	1,600	0.3	1,475	0.3	1,500	0.3

Table 4. Population of Saskatchewan by Age Groups and Sex, 1985-1987* (Continued)

Age group	1985		1986		1987	
	Number	Per cent	Number	Per cent	Number	Per cent
	Female					
All ages	509,300	100.0	505,250	100.0	507,400	100.0
0-4	41,600	8.2	41,960	8.2	41,900	8.3
5-9	40,200	7.9	40,045	7.8	40,100	7.9
10-14	38,800	7.6	38,100	7.8	38,500	7.6
15-19	39,500	7.8	38,315	8.7	37,900	7.5
20-24	47,700	9.4	44,230	9.3	42,200	8.3
25-29	45,000	8.8	44,010	8.7	43,800	8.6
30-34	39,100	7.7	39,895	7.1	41,200	8.1
35-39	32,200	6.3	32,765	5.8	33,200	6.5
40-44	24,900	4.9	25,275	4.7	26,900	5.3
45-49	22,200	4.4	22,330	4.5	22,600	4.5
50-54	22,500	4.4	21,905	4.6	21,600	4.3
55-59	23,200	4.6	22,760	4.8	22,500	4.4
60-64	23,100	4.5	22,860	4.7	22,500	4.4
65-69	21,400	4.2	21,615	4.3	21,800	4.3
70-74	18,500	3.6	18,770	3.5	19,200	3.8
75-79	13,200	2.6	13,780	2.4	14,200	2.8
80-84	8,700	1.7	8,930	1.6	9,400	1.9
85-89	4,700	0.9	4,835	0.9	5,000	1.0
90+	3,000	0.6	2,875	0.6	3,000	0.6

* *Columns may not add to totals due to rounding error.*

Source — 1985 and 1987: Statistics Canada Postcensal Population Estimates, Publication No. 91-210

— 1986 — Statistics Canada Census — The Nation, Publication No. 93-101.

Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1987

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Total for Province	1,009,613	17,034	7,808	155	87	95	163	6,853
Cities	506,250	9,132	3,716	87	49	56	94	4,478
Estevan	10,161	180	87	2	2	2	4	103
Lloydminster (Sask.)	7,155	183	31	1	1	1	1	50
Melfort	6,078	125	94	1	1	—	1	58
Melville	5,123	88	66	—	—	1	1	34
Moose Jaw	35,073	549	325	4	4	1	5	291
North Battleford	14,876	283	131	4	—	2	2	136
Prince Albert	33,686	701	263	7	6	2	5	319
Regina	175,064	3,127	1,100	32	16	22	37	1,384
Saskatoon	177,641	3,302	1,165	31	16	21	31	1,650
Swift Current	15,666	209	162	2	2	—	2	189
Weyburn	10,153	150	111	—	—	4	4	91
Yorkton	15,574	235	181	3	1	—	1	173
Towns	113,364	1,941	1,525	16	10	10	19	942
Assiniboia	3,001	42	57	—	—	—	—	27
Battleford	3,833	55	42	—	—	—	—	48
Biggar	2,626	30	45	2	1	—	1	14
Canora	2,602	22	48	—	—	2	2	19
Carlyle	1,172	36	22	—	—	—	—	16
Carnduff	1,090	15	23	—	—	—	—	8
Carrot River	1,101	17	16	—	—	—	—	13
Churchbridge	1,035	18	6	—	—	—	—	8
Coronach	1,006	26	9	2	2	—	2	5
Creighton	1,620	33	11	—	—	—	—	3
Dalmeny	1,328	22	7	—	—	—	—	9
Davidson	1,183	18	19	—	—	—	—	18
Esterhazy	3,083	37	34	—	—	—	—	20
Eston	1,383	19	22	—	—	—	—	10
Foam Lake	1,535	24	33	—	—	—	—	11
Fort Qu'Appelle	1,915	50	28	—	—	1	1	10
Gravelbourg	1,305	23	24	—	—	—	—	18
Grenfell	1,274	27	23	—	—	—	—	6
Gull Lake	1,164	20	18	1	1	—	1	9
Hudson Bay	2,133	36	19	—	—	—	—	24
Humboldt	5,089	101	60	—	—	—	—	33
Indian Head	1,886	24	31	—	—	—	—	12
Kamsack	2,565	48	54	—	—	2	2	27
Kelvington	1,084	13	24	—	—	—	—	12
Kerrobert	1,288	18	8	—	—	1	1	15
Kindersley	4,912	109	32	—	—	—	—	44
Kipling	1,033	15	22	—	—	—	—	11
La Ronge	2,696	133	13	2	2	1	3	16
Langenburg	1,371	9	29	—	—	—	—	10
Langham	1,193	24	7	—	—	—	—	7
Lanigan	1,698	17	11	—	—	—	—	11
Leader	1,130	14	13	—	—	—	—	4
Lumsden	1,369	17	11	—	—	—	—	8
Macklin	1,131	21	11	—	—	2	2	14
Maidstone	1,112	22	19	1	1	—	1	5
Maple Creek	2,452	37	40	—	—	1	1	22
Martensville	2,760	55	5	1	—	—	—	10
Meadow Lake	3,976	105	45	1	—	—	—	45

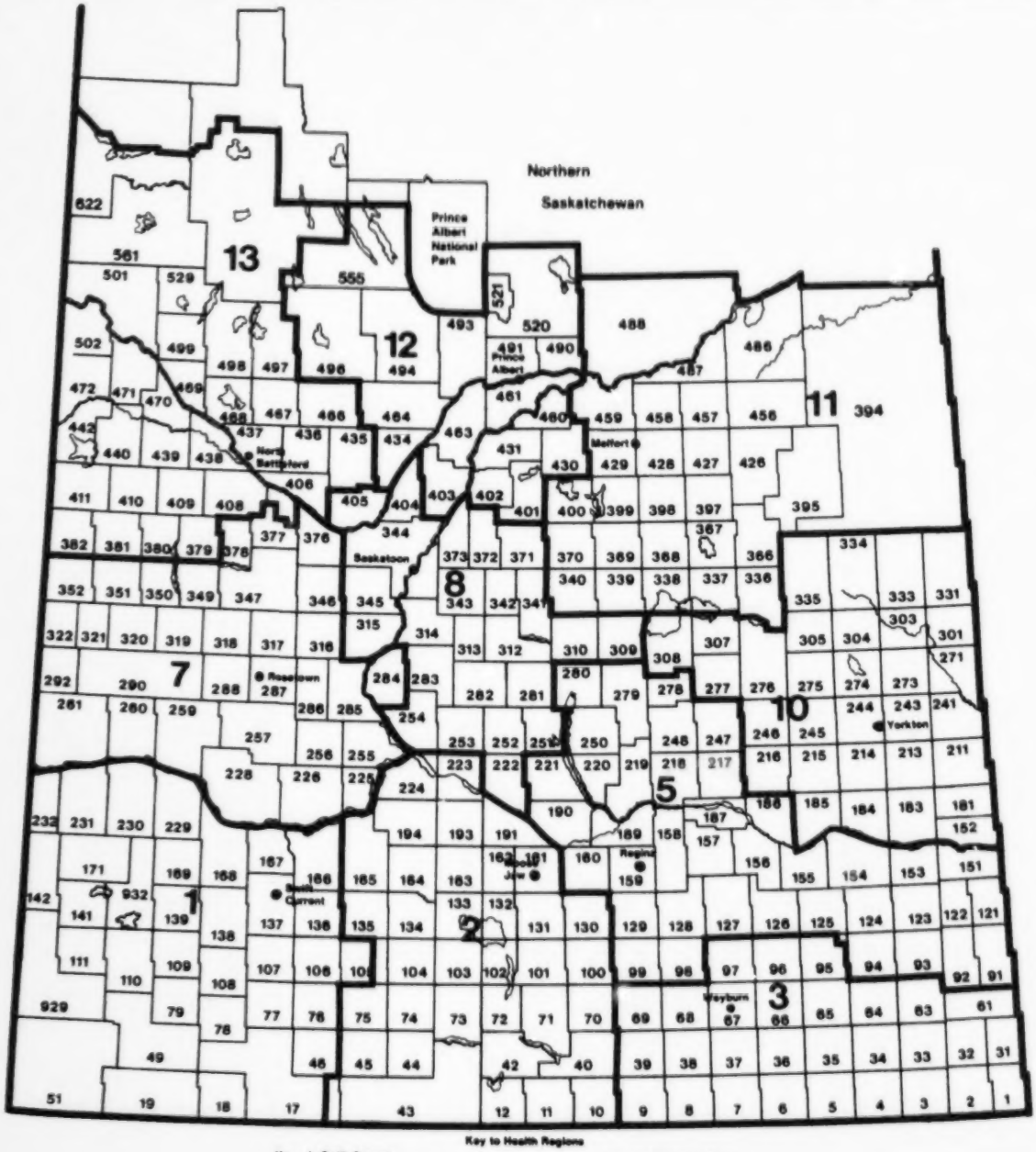
Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1987 (Continued)

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Moosomin	2,557	35	34	—	—	—	—	25
Nipawin	4,588	71	58	1	—	—	—	51
Outlook	2,137	34	30	1	—	—	—	14
Oxbow	1,229	20	11	—	—	—	—	12
Pilot Butte	1,387	18	4	—	—	—	—	5
Preeceville	1,272	11	34	1	1	—	1	13
Rosetown	2,663	45	44	1	—	—	—	25
Rosthern	1,594	17	25	—	—	—	—	9
Shaunavon	2,153	31	38	1	1	—	1	19
Shellbrook	1,238	15	20	—	—	—	—	14
Spiritwood	1,025	10	16	—	—	—	—	9
Tisdale	3,184	61	57	—	—	—	—	32
Unity	2,471	35	29	—	—	—	—	16
Wadena	1,602	21	29	—	—	—	—	20
Wakaw	1,010	18	30	—	—	—	—	7
Warman	2,455	51	15	1	1	—	—	10
Watrous	1,953	27	22	—	—	—	—	14
Whitewood	1,107	15	26	—	—	—	—	8
Wilkie	1,526	29	28	—	—	—	—	18
Wynyard	2,079	25	34	—	—	—	—	19

* *Population at the time of the 1986 census.*

Health Regions

Figure 1. Health Region Map



Since Saskatchewan has no fixed political divisions corresponding to the counties of eastern Canada, census divisions have been used in the past for the presentation of statistical data for areas smaller than the province. These were designed to permit future subdivisions, if necessitated by population increases, without destroying comparability of information collected by earlier census counts.

In the meantime, certain demographic, economic and social patterns had begun to emerge in the province. For general public health purposes, vital statistics must be presented in a form which can be related to these patterns. With this in mind, commencing in 1954, the tabulations of vital statistics by health statistical areas was undertaken, in close collaboration with the Dominion Bureau of Statistics. These areas represented territorial divisions of the province, each one of which is served by one or two dominant urban centres. As of 1974, vital statistics are presented by Health Regions. The cities of Regina and Saskatoon, with their own health departments, and *Northern Saskatchewan* form separate reporting areas.

The presentation of data on births, deaths and marriages according to health regions enables medical health officers, and others engaged in administrative or epidemiological tasks, to relate these and all other relevant data in a meaningful way.

Births by Health Region

Birth rates for health regions in 1987 ranged from a high 31.5 per 1,000 population in the sparsely populated *Northern Saskatchewan* area to a low 11.4 in the Yorkton-Melville region. The Northern areas (North Battleford, Prince Albert and the *Northern Health Services*) and the largest cities (Regina and Saskatoon) have shown consistently high birth rates over the years with *Northern Saskatchewan* being the highest.

These high birth rates coupled with relatively low death rates have given the northern areas and the largest cities, rates of natural increase higher than other areas in the province.

Deaths by Health Region

In 1987, the Yorkton-Melville region had the highest death rate (10.3 per 1,000 population). *Saskatoon Rural* had the lowest rate (5.1 per 1,000 population). Deaths and rates by health regions are found in Table 7, page 22.

Table 6. Population of Health Regions, Saskatchewan, 1987

Health Regions	Population
Total for Province	**1,045,440**
No. 1 Swift Current	48,136
No. 2 Moose Jaw-Assiniboia-Gravelbourg	68,841
No. 3 Weyburn-Estevan	52,010
No. 5 Regina Rural	76,201
No. 7 Rosetown-Biggar-Kindersley	41,347
No. 8 Saskatoon Rural	48,968
No. 10 Yorkton-Melville	81,258
No. 11 Melfort-Tisdale	73,280
No. 12 Prince Albert	81,370
No. 13 North Battleford	83,744
Regina City	178,520
Saskatoon City	182,216
Northern Saskatchewan	29,549

Source: Health Insurance Registration Covered Population

Table 7. Summary of Vital Statistics for Health Regions, Saskatchewan Residents, 1987

Health regions	Live births		Deaths		Natural increase		Marriages	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Total for province	17,034	16.3	7,808	7.5	9,226	8.8	6,853	6.6
No. 1 Swift Current	639	13.3	409	8.5	230	4.8	313	6.5
No. 2 Moose Jaw-Assiniboia-Gravelbourg	1,059	15.4	609	8.8	450	6.5	427	6.2
No. 3 Weyburn-Estevan	740	14.2	471	9.1	269	5.2	332	6.4
No. 5 Regina Rural	964	12.7	588	7.7	376	4.9	346	4.5
No. 7 Rosetown-Biggar-Kindersley	691	16.7	305	7.4	386	9.3	200	4.8
No. 8 Saskatoon Rural	721	14.7	249	5.1	472	9.6	195	4.0
No. 10 Yorkton-Melville	923	11.4	834	10.3	89	1.1	478	5.9
No. 11 Melfort-Tisdale	1,023	14.0	680	9.3	343	4.7	440	6.0
No. 12 Prince Albert	1,383	17.0	621	7.6	762	9.4	527	6.5
No. 13 North Battleford	1,530	18.3	617	7.4	913	10.9	470	5.6
City of Regina	3,127	17.5	1,100	6.2	2,027	11.4	1,384	7.8
City of Saskatoon	3,302	18.1	1,165	6.4	2,137	11.7	1,650	9.1
Northern Saskatchewan	932	31.5	160	5.4	772	26.1	91	3.1

Health regions	Infant deaths		Neonatal deaths		Stillbirths**		Perinatal deaths**	
	Number	Rate†	Number	Rate†	Number	Rate†	Number	Rate††
Total for province	155	9.1	87	5.1	95	5.6	163	9.5
No. 1 Swift Current	9	14.1	6	9.4	3	4.7	9	14.0
No. 2 Moose Jaw-Assiniboia-Gravelbourg	12	11.3	10	9.4	4	3.8	12	11.3
No. 3 Weyburn-Estevan	7	9.5	5	6.8	9	12.2	13	17.4
No. 5 Regina Rural	1	1.0	1	1.0	3	3.1	3	—
No. 7 Rosetown-Biggar-Kindersley	8	11.6	2	2.9	2	2.9	4	5.8
No. 8 Saskatoon Rural	5	6.9	3	4.2	1	1.4	3	4.2
No. 10 Yorkton-Melville	7	7.6	3	3.3	7	7.6	10	10.8
No. 11 Melfort-Tisdale	7	6.8	4	3.9	7	6.8	11	10.7
No. 12 Prince Albert	13	9.4	10	7.2	4	2.9	10	7.2
No. 13 North Battleford	13	8.5	6	3.9	10	6.5	15	9.7
City of Regina	32	10.2	16	5.1	22	7.0	37	11.7
City of Saskatoon	31	9.4	16	4.8	21	6.4	31	9.3
Northern Saskatchewan	10	10.7	5	5.4	2	2.1	5	5.4

* *Rate per 1,000 live population — Health Insurance Registration Covered Population.*
† *Rate per 1,000 live births.*
** *Based on 20+ weeks gestation.*
†† *Rate per 1,000 total births.*

Table 8. Selected Leading Causes of Death by Residence, Saskatchewan, 1987

Place of residence	Cause of death								
	All deaths	Heart diseases (A128-A148)	Malignant neoplasms (A37-A86)	Cerebro-vascular disease (A149-A155)	Accidents (AE234-AE263)	Pneumonia (A163-A167)	Certain causes of perinatal mortality (A229-A231)	Suicide and self-inflicted injury (A264-A270)	Other
Total for province	7,808	2,487	1,934	650	515	334	62	132	1,694
Cities* (with more than 5,000 population)	3,716	1,173	893	320	206	176	35	59	854
Estevan (3)	87	37	18	4	5	2	2	4	15
Melfort (11)	94	29	25	8	4	7	1	3	17
Melville (10)	66	19	23	10	2	3	–	–	9
Moose Jaw (2)	325	97	73	26	22	12	4	1	90
North Battleford (13)	131	51	36	9	6	3	–	1	25
Prince Albert (12)	263	73	57	27	15	11	3	1	76
Regina	1,100	341	265	111	58	53	14	23	235
Saskatoon	1,165	357	287	84	73	53	6	18	287
Swift Current (1)	162	57	27	16	5	16	2	5	34
Weyburn (3)	111	39	28	9	7	3	–	–	25
Yorkton (10)	181	62	45	15	6	13	2	2	36
Lloydminster (Sask.) (13)	31	11	9	1	3	–	1	1	5
Health regions (excluding cities)	4,092	1,314	1,041	330	309	158	27	73	840
No. 1 Swift Current	247	68	63	35	12	16	5	7	41
No. 2 Moose Jaw-Assiniboia-Gravelbourg	284	102	66	22	19	8	5	1	61
No. 3 Weyburn-Estevan	273	99	67	24	17	7	3	7	49
No. 5 Regina Rural	588	199	140	36	44	30	1	9	129
No. 7 Rosetown-Biggar-Kindersley	305	104	70	21	21	7	1	3	78
No. 8 Saskatoon Rural	249	89	75	16	22	6	2	6	33
No. 10 Yorkton-Melville	587	207	150	58	22	23	1	11	115
No. 11 Melfort-Tisdale	586	181	162	47	34	25	3	8	126
No. 12 Prince Albert	358	107	99	28	37	13	3	6	65
No. 13 North Battleford	455	128	121	37	41	15	2	8	103
Northern Saskatchewan	160	30	28	6	40	8	1	7	40

* *Health region number is given in parenthesis.*

Births

Birth Rate

There were 17,034 live births to Saskatchewan residents in 1987, resulting in a birth rate of 16.8 per 1,000 population.

Multiple Births

Multiple births in 1987 included 172 sets of twins and 2 sets of triplets. Six sets of twins included one stillborn infant and three sets of twins were both stillborn.

Births in Hospitals

In 1987, 39 births did not occur in hospital.

Births by Sex

Continuing a long-term trend, there were more male live births than female live births in 1987, numbering 8,718 and 8,316 respectively, a ratio of 1,048 male to 1,000 female live births.

Male Live Births per 1,000 Female Live Births	
1976	1,044
1977	1,055
1978	1,053
1979	1,052
1980	1,080
1981	1,070
1982	1,024
1983	1,027
1984	1,047
1985	1,078
1986	1,056
1987	1,048

Births Occurring to Single Mothers

There was an increase in the number of babies born to single mothers in 1987, numbering 3,844 compared to 3,799 in 1986. The single parent live births increased to 22.6 per cent of all births.

The average age of unmarried mothers was lower (22.2) than that of married mothers (27.2).

Stillbirths

The minimum gestational period for compulsory registration of foetal deaths was lowered from 28 weeks to 20 weeks in 1961 due to a change in the definition of stillbirth. Using this definition, there were 95 stillbirths in the province in 1987, giving a rate of 5.6 per 1,000 live births. Stillbirths occurred most frequently in the gestation periods of 20-27, 33-37 and 38-40 weeks. Males accounted for 51.6 per cent of total stillbirths. The average age of mothers bearing stillborn children was 25.6 years. The average age of mothers whose children were liveborn was 26.0 years.

Fertility Rates

The crude birth rate, i.e. the rate per 1,000 total population, is an inadequate measure of the rate at which the population is replacing itself because it is so much affected by changes in the age and sex composition of the population.

Almost all children born each year are to women between the ages of 15 and 49 — with very small numbers above and below these ages. Variations in the proportion of women of these ages to the total population will cause variations in the crude birth rates of different countries or even regions within a country or a province, even though the actual rates of reproduction or fertility of the women in those age groups are identical. It is therefore conventional to calculate an age specific fertility rate, i.e. an individual birth rate per 1,000 women in each of these reproductive age periods. The sum of these rates multiplied by five represents the "total fertility", that is, the number of births which 1,000 women would have throughout their lifetime, assuming no mortality, if they experienced at each age the fertility in effect during the period concerned.

From this in turn can be calculated a gross reproduction rate, which for a given year represents the average number of female infants that would be born to each woman who lived to reach the age of 50 if the fertility rates of a given year remained unchanged. When the gross reproduction rate falls below one, the women in the reproductive period of life are not having enough children to replace themselves, even if all their children lived to maturity.

Age Specific Fertility Rates, Saskatchewan, 1987

Age groups	*Rate per 1,000*
15-19	44.7
20-24	165.0
25-29	143.5
30-34	80.2
35-39	21.0
40-44	3.5
45-49	0.1
Total Fertility	2,047
Gross Reproduction Rate	0.999

Age of Parents

The average age of parents is determined by the interaction of several factors, the most important of which are age at marriage, the length of time between marriage and the arrival of the first child, and the spacing of additional children during the mother's reproductive period.

In 1987, the average age of fathers was 29.3 years, of married mothers 27.2 years, and of unmarried mothers 22.2 years.

Birth Order

Thirty-six per cent of all live births were first children and 57 per cent of the mothers of these first-born were under 25 years of age. 12.2 per cent of first-born infants were to mothers over 30 years of age. First, second, and third children made up 87 per cent of total births, and 42.9 per cent of these mothers were under 25 years of age. Average age of mothers for first-born infants for 1987 was 23.7 years.

Birth Weight

Birth weight information provides the number of immaturely-developed live deliveries, those which are exposed to a greater risk of death than a "mature" infant. The recommendations of the World Health Organization specify that infants of 2500 grams or less at birth (approximately 5 pounds, 8 ounces) be considered "immature".

The average weight of all infants born in 1987 was 3417.3 grams. There is a direct relationship between the age of mother and birth weight. The proportion of "immature" births by age of mother reveals that a mother has a greater chance of delivering an "immature" foetus at less than 20 years or over 40 years of age than at any other age in the reproductive period. This data is illustrated on page 28, table 13.

There is also a relationship between the weight of the foetus and period of gestation. Of the 3.6 per cent of children born in 1987 at less than 36 weeks gestation, 73.6 per cent were "immature". Of those born in the period of 36 to 39 weeks, 5.6 per cent were classified as "immature" and of those born after 40 weeks gestation only 0.8 per cent weighed 2500 grams or less. This data is illustrated on page 29, table 14.

Table 9. Stillbirths by Sex and Period of Gestation, Saskatchewan, 1987

Period of gestation (weeks)	Number			Per cent distribution		
	Total	Male	Female	Total	Male	Female
Total	95	49	46	100.0	51.6	48.4
20-27	28	15	13	29.5	53.6	46.4
28-32	20	11	9	21.1	55.0	45.0
33-37	22	11	11	23.2	50.0	50.0
38-40	21	9	12	22.1	42.9	57.1
41+	4	3	1	4.2	75.0	25.0

Table 10. Live Births and Stillbirths by Age of Mother, Saskatchewan, 1987*

Age group	All births		Type of birth			
			Live births		Stillbirths	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	17,129	100.0	17,034	100.0	95	100.0
Under 20	1,742	10.2	1,732	10.2	10	10.5
20-24	4,954	28.9	4,916	28.9	38	40.0
25-29	6,302	36.8	6,285	36.9	17	17.9
30-34	3,331	19.4	3,306	19.4	25	26.3
35-39	701	4.1	697	4.1	4	4.2
40-44	96	0.6	95	0.6	1	1.1
45-49	3	**	3	**	—	—
Average age		26.0		26.0		25.6
Median age		26.0		26.0		26.0

* *This table shows the number of births and stillbirths occuring to mothers in these age groups, and not the actual number of mothers in each group, as not all births were single births.*

** *Less than 0.1 per cent.*

Table 11. Live Births by Age of Parent, Saskatchewan, 1987*

Age group	Fathers		Married mothers		Unmarried mothers	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	17,034	100.0	12,953	100.0	4,081	100.0
Under 20	2,633	15.5	302	2.3	1,430	35.0
20-24	2,301	13.5	3,373	26.0	1,543	37.8
25-29	5,547	32.6	5,570	43.0	715	17.5
30-34	4,358	25.6	2,995	23.1	311	7.6
35-39	1,599	9.4	628	4.8	69	1.7
40-44	422	2.5	83	0.6	12	0.3
45-49	115	0.7	2	**	1	**
50+	59	0.3	—	—	—	—
Not stated	—	—	—	—	—	—
Average age†		29.3		27.2		22.2
Median age†		29.0		27.0		21.0

* *This table shows the number of live births occuring to parents in these age groups, and not the actual number of parents in each age group, as not all births were single births.*

† *Average and median ages were calculated using single year age groups.*

** *Less than 0.05 per cent.*

Table 12. Live Births by Age of Mother and Order of Birth, Saskatchewan, 1987

Order of birth	Age of mother									
	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total	17,034	37	1,695	4,916	6,285	3,306	697	95	3	—
1st child	6,097	37	1,263	2,205	1,858	636	92	6	—	—
2nd child	5,567	—	365	1,755	2,269	1,012	153	13	—	—
3rd child	3,140	—	59	672	1,337	878	175	18	1	—
4th child	1,295	—	8	209	513	445	105	15	—	—
5th child	471	—	—	51	189	169	50	12	—	—
6th child	230	—	—	19	69	82	52	8	—	—
7th child	98	—	—	5	31	32	25	5	—	—
8th child	60	—	—	—	16	24	16	4	—	—
9th child	34	—	—	—	3	16	12	3	—	—
10th child	20	—	—	—	—	10	5	4	1	—
11th child	6	—	—	—	—	1	4	1	—	—
12th child	6	—	—	—	—	1	3	2	—	—
13th child	5	—	—	—	—	—	3	2	—	—
15th child	2	—	—	—	—	—	2	—	—	—
16th child	1	—	—	—	—	—	—	1	—	—
18th child	2	—	—	—	—	—	—	1	1	—

Table 13. Live Births by Age of Mother and Birth Weight, Saskatchewan, 1987

Birth weight			Age of mother							
Gram intervals	Equivalent in lbs./oz.	Total	-20 years	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total		17,034	1,732	4,916	6,285	3,306	697	95	3	–
500 or less	1/1 or less	8	3	1	2	–	2	–	–	–
501-750	1/2-1/10	33	5	13	8	4	3	–	–	–
751-1,000	1/11-2/3	28	5	6	9	4	3	1	–	–
1,001-1,250	2/4-2/12	38	5	12	10	10	1	–	–	–
1,251-1,500	2/13-3/4	46	6	12	17	10	1	–	–	–
1,501-1,750	3/5-3/13	75	11	26	18	13	6	1	–	–
1,751-2,000	3/14-4/6	109	11	23	43	27	5	–	–	–
2,001-2,250	4/7-4/15	180	17	44	72	37	7	2	1	–
2,251-2,500	5/0-5/8	362	44	90	138	74	15	1	–	–
Total 2,500 or less	5/8 or less	879	107	227	317	179	43	5	1	–
2,501-2,750	5/9-6/1	843	80	267	318	148	26	4	–	–
2,751-3,000	6/2-6/9	1,522	192	480	526	259	56	9	–	–
3,001-3,250	6/10-7/2	2,796	326	829	1,015	513	100	13	–	–
3,251-3,500	7/3-7/11	3,358	325	977	1,271	628	141	16	–	–
3,501-3,750	7/12-8/4	3,180	325	921	1,181	628	108	17	–	–
3,751-4,000	8/5-8/13	2,195	188	644	785	456	100	20	2	–
4,001-4,250	8/14-9/6	1,212	115	305	469	251	67	5	–	–
4,251-4,500	9/7-9/14	648	49	171	258	131	34	5	–	–
4,501-4,750	9/15-10/7	271	17	67	92	83	12	–	–	–
4,751-5,000	10/8-11/0	79	4	18	35	17	5	–	–	–
5,001-5,250	11/1-11/9	33	2	6	12	11	2	–	–	–
5,251-5,500	11/10-12/2	10	1	2	4	2	1	–	–	–
5,501-5,750	12/3-12/10	7	1	2	2	–	2	–	–	–
5,751-6,000	12/11-13/3	1	–	–	–	–	–	1	–	–
Total 2,501+	over 5/8	16,155	1,625	4,689	5,968	3,127	654	90	2	–
Not stated		–	–	–	–	–	–	–	–	–
Per cent of total		100.0	10.2	28.9	36.9	19.4	4.1	0.6	*	–
Per cent 2,500 grams or less		5.2	6.2	4.6	5.0	5.4	6.2	5.3	33.3	–
Average weight (grams)		3,417.3	3,347.0	3,400.0	3,428.4	3,450.2	3,453.2	3,453.8	3,206.7	–
Median weight (grams)		3,430.0	3,373.0	3,420.0	3,440.0	3,480.0	3,458.0	3,515.0	3,760.0	–

* *Less than 0.05 per cent.*

Table 14. Live Births by Period of Gestation and Birth Weight, Saskatchewan, 1987

Birth weight			Period of gestation							
Gram intervals	Equivalent in lbs./oz.	Total	-20 weeks	20-23	24-27	28-31	32-35	36-39	40+	Not stated
Total		17,034	–	21	46	95	459	5,940	10,473	–
500 or less	1/1 or less	8	–	6	1	–	1	–	–	–
501-750	1/2-1/10	33	–	13	17	3	–	–	–	–
751-1,000	1/11-2/3	28	–	2	15	10	1	–	–	–
1,001-1,250	2/4-2/12	38	–	–	11	20	6	1	–	–
1,251-1,500	2/13-3/4	46	–	–	1	26	15	2	2	–
1,501-1,750	3/5-3/13	75	–	–	1	16	37	21	–	–
1,751-2,000	3/14-4/6	109	–	–	–	15	64	25	5	–
2,001-2,250	4/7-4/15	180	–	–	–	1	91	72	16	–
2,251-2,500	5/0-5/8	362	–	–	–	1	83	214	64	–
Total 2,500 or less	5/8 or less	879	–	21	46	92	298	335	87	–
2,501-2,750	5/9-6/1	843	–	–	–	2	64	519	258	–
2,751-3,000	6/2-6/9	1,522	–	–	–	–	41	786	695	–
3,001-3,250	6/10-7/2	2,796	–	–	–	–	21	1,283	1,492	–
3,251-3,500	7/3-7/11	3,358	–	–	–	–	16	1,202	2,140	–
3,501-3,750	7/12-8/4	3,180	–	–	–	1	15	894	2,270	–
3,751-4,000	8/5-8/13	2,195	–	–	–	–	3	520	1,672	–
4,001-4,250	8/14-9/6	1,212	–	–	–	–	–	238	974	–
4,251-4,500	9/7-9/14	648	–	–	–	–	1	105	542	–
4,501-4,750	9/15-10/7	271	–	–	–	–	–	37	234	–
4,751-5,000	10/8-11/0	79	–	–	–	–	–	13	66	–
5,001-5,250	11/1-11/9	33	–	–	–	–	–	3	30	–
5,251-5,500	11/10-12/2	10	–	–	–	–	–	3	7	–
5,501-5,750	12/3-12/10	7	–	–	–	–	–	2	5	–
5,751-6,000	12/11-13/3	1	–	–	–	–	–	–	1	–
Total 2,501+	over 5/8	16,155	–	–	–	3	161	5,605	10,386	–
Not stated		–	–	–	–	–	–	–	–	–
Per cent of total		100.0	–	0.1	0.3	0.6	2.7	34.9	61.5	–
Per cent 2,500 grams or less		5.2	–	100.0	100.0	96.8	64.9	5.6	0.8	–
Average weight (grams)		3,417.3	–	586.7	873.0	1,450.9	2,345.4	3,269.9	3,582.5	–
Median weight (grams)		3,430.0	–	580.0	864.0	1,430.0	2,296.0	3,260.0	3,570.0	–

* *Less than 0.05 per cent.*

Table 15. Live Births by Marital Status and Birth Weight for Mothers Under 20, Saskatchewan, 1987

Gram Intervals	Marital Status					
	Single	Married	Divorced	Widowed	Not Stated	Total
Total	**1,426**	**302**	**1**	**2**	**1**	**1,732**
500 or less	2	1	—	—	—	3
501 - 750	3	2	—	—	—	5
751 - 1,000	4	1	—	—	—	5
1,001 - 1,250	5	—	—	—	—	5
1,251 - 1,500	6	—	—	—	—	6
1,501 - 1,750	6	5	—	—	—	11
1,751 - 2,000	9	2	—	—	—	11
2,001 - 2,250	14	3	—	—	—	17
2,251 - 2,500	38	6	—	—	—	44
Total 2,500 or less	**87**	**20**	**—**	**—**	**—**	**107**
2,501 - 2,750	67	13	—	—	—	80
2,751 - 3,000	158	34	—	—	—	192
3,001 - 3,250	276	50	—	—	—	326
3,251 - 3,500	273	50	1	1	—	325
3,501 - 3,750	261	62	—	1	1	325
3,751 - 4,000	153	35	—	—	—	188
4,001 - 4,250	89	26	—	—	—	115
4,251 - 4,500	38	11	—	—	—	49
4,501 - 4,750	16	1	—	—	—	17
4,751 - 5,000	8	—	—	—	—	8
Not Stated	—	—	—	—	—	—

Table 16. Live Births by Marital Status and Gestation for Mothers Under 20, Saskatchewan, 1987

Gestation	Marital Status					
	Single	Married	Divorced	Widowed	Not Stated	Total
20 weeks	—	1	—	—	—	1
21 weeks	1	—	—	—	—	1
23 weeks	2	—	—	—	—	2
24 weeks	—	2	—	—	—	2
26 weeks	4	—	—	—	—	4
28 weeks	2	1	—	—	—	3
30 weeks	2	—	—	—	—	2
31 weeks	3	1	—	—	—	4
32 weeks	10	2	—	—	—	12
33 weeks	8	3	—	—	—	11
34 weeks	19	2	—	—	—	21
35 weeks	16	5	—	—	—	21
36 weeks	58	5	—	—	—	63
37 weeks	63	13	—	—	—	76
38 weeks	173	32	—	—	1	206
39 weeks	235	54	—	1	—	290
40 weeks	563	113	1	—	—	677
Over 40 weeks	267	68	—	1	—	336
Total	**1,426**	**302**	**1**	**2**	**1**	**1,732**

Mortality

In 1987 death claimed 7,808 Saskatchewan residents constituting a crude death rate of 7.7 per 1,000 population.

Deaths by occurrence within the province amounted to 7,786. Of this total, 7,650 decedents were residents of Saskatchewan and 136 were non-residents. Deaths of Saskatchewan residents occurring outside the province numbered 158.

Age-Sex Mortality

Age specific death rates generally form the following pattern. Beginning with a high rate for infants, the rate drops to a minimum at the 5 to 14 age group then rises in each subsequent age group.

As in past years, the male death rate (8.6 per 1,000 population) exceeded the female rate (6.7 per 1,000 population) in 1987 (based on Statistics Canada population estimates). The difference in mortality rates between the sexes is more pronounced with the advancement of age.

In 1987, 2.7 per cent of all male deaths occurred in the under 5 age group, 26.5 per cent in the 5 to 64 age groups and 70.7 per cent in the 65 and over age group. Of female deaths, 2.1 per cent occurred in the under 5 age group, 17.1 per cent between the ages of 5 and 64, and 80.8 per cent in the 65 and over group.

Table 17. Age Specific Death Rates (per 1,000 Population), Saskatchewan, 1976-1987*

Year	All ages	Age group					
		Under 5	5-14	15-24	25-44	45-64	65+
1976	8.5	3.8	0.4	1.4	1.8	8.0	52.5
1977	8.1	4.0	0.4	1.6	1.6	7.0	50.3
1978	8.2	3.9	0.5	1.3	1.6	7.3	50.2
1979	7.7	3.2	0.4	1.4	1.6	7.1	46.3
1980	7.8	2.9	0.3	1.2	1.4	7.1	47.8
1981	7.8	3.1	0.4	1.2	1.4	7.1	46.1
1982	8.4	2.6	0.3	1.3	1.3	7.7	50.0
1983	7.7	2.5	0.3	1.1	1.3	6.6	45.7
1984	7.7	2.5	0.2	0.9	1.3	6.8	46.0
1985	7.9	2.7	0.3	1.0	1.2	7.0	47.0
1986	8.0	2.3	0.3	1.2	1.2	7.2	46.5
1987	7.7	2.2	0.4	1.1	1.1	6.6	44.8

* *Rates were calculated using Statistics Canada population estimates.*

Standardized (Age Adjusted) Death Rates

Analysis of mortality based on comparisons of crude death rates may prove to be unsatisfactory due to changes in the age composition of the population. A larger older population increases the risk of death, which will be reflected in the crude death rate. This factor may be corrected by determining what the mortality rate would have been had the age composition of the population remained constant over a series of years. Mortality rates are thus "standardized" to an arbitrary standard population, usually to the population in one particular year. The rates in Table 18 are standardized to the 1956 Saskatchewan census population.

Comparing the 1987 Saskatchewan crude death rate of 7.7 to the 1921 death rate of 7.4, there seems to be a deterioration. However, by "standardizing" (i.e. assuming that the age distribution of the population both in 1921 and 1987 was the same as in 1956), the results show a marked improvement since 1921.

Since 1921 the standardized death rate has been decreasing for both sexes. Female rates have decreased more rapidly, however, and over the years the gap between male and female rates has widened. In 1921, the standardized death rate for males was 10.5 per 1,000 population and for females 10.3. The 1987 figures are 6.0 per 1,000 population for males, and 4.5 for females.

Deaths in Hospitals

There were 5,418 deaths in hospitals in 1987 in the province as a whole (69.4 per cent). This is a slightly higher proportion than the 1986 level of 69.1 per cent.

Leading Causes of Death

There is a varying impact of diseases on the different stages of the life span. Diseases peculiar to early infancy, congenital anomalies and pneumonia are main causes of death in infancy, while accidents take the greatest toll in childhood and young adult groups. Heart diseases and cancer become the major causes of death to persons in the middle and older ages.

In 1987, the average life years lost per decedent were 16.00 for males and 15.01 for females.

Heart diseases were the leading cause of death in terms of life years lost, making up 22.2 per cent of the total. They were also highest in actual number of deaths, accounting for nearly one-third of the total. Malignant neoplasms were the second highest cause of life years lost, and second highest in actual number of deaths. Transport accidents were third highest in terms of life years lost.

Heart Disease

The proportion of older people in the population is increasing rapidly as a result of the lengthening life span. Since heart diseases are associated with the conditions of middle and old age, mortality from heart diseases have become a major cause of death.

Heart diseases accounted for 2,487 deaths in Saskatchewan in 1987 (237.9 per 100,000 population). (Rates referred to in this section were calculated using the HIR covered population). This is a decrease in number and rate from 1986.

Thirty-two per cent of all deaths in the province in 1987 were caused by heart diseases. Ischaemic heart disease was the leading cause of death in the 65 and over age group, and the second leading cause of death in the 45-64 age group, accounting for 27.2 and 20.9 per cent of deaths respectively. Of the total deaths due to heart diseases, 12.1 per cent were to persons in the 45-64 age group and 98.3 per cent in the 65 and over age group. Thus, almost all deaths caused by heart diseases (98.3 per cent) occurred to persons 45 years of age and over.

Ischaemic heart disease accounted for 74.7 per cent of total heart diseases, a rate of 177.7 per 100,000 population. Death rates from chronic rheumatic heart disease, hypertensive disease, and other forms of heart disease were 2.2, 4.8 and 53.2 per 100,000 population, respectively.

The male death rate from heart diseases (262.5) continued to be much higher than the female rate (213.1) with also a large difference in ischaemic heart disease, males (206.5) and females (148.7).

Malignant Neoplasms (Cancer)

As in the case of heart diseases, cancer remains a leading cause of death because of the increase of older persons in the population. This disease was the leading cause of death in 1987. The proportion (24.8 per cent of total deaths) was slightly higher than in 1986. The number (1,934) and the rate (185.0 per 100,000 population) were higher than in 1986. (Rates referred to in this section were calculated using the HIR covered population).

Of the total deaths from cancer in Saskatchewan, 24.9 per cent were in the 45-64 age group and 70.8 per cent in the 65 plus group.

There was an increase in the male cancer mortality rate from 206.6 in 1986 to 211.1 in 1987 and an increase in the female rate from 157.5 in 1986 to 158.7 in 1987. More males die from cancer of trachea, bronchus and lungs, and more females die from breast cancer, than any other form.

Accidents and Violence

There were 688 deaths due to accidents in 1987 compared with 502 in 1986, with the rate per 100,000 population showing an increase to 65.8 in 1987 from 48.2 in 1986. (Rates referred to in this section were calculated using the HIR covered population). The proportion of accidental deaths to all deaths increased, from 6.2 in 1986 to 8.8 in 1987.

Accidents were a leading cause of death in all age groups from 1-34. Transport accidents were the leading cause of death in the ages 5-34.

The male accident rate was much higher than the female rate (93.2 and 38.2 per 100,000 population respectively).

The number of suicides in Saskatchewan in 1987 decreased to 132, giving a rate of 13.0 per 100,000 population.

Twenty-eight per cent of all suicides in Saskatchewan were in the 15-24 age group; 78.0 per cent of all suicides were men.

Deaths from homicide and legal intervention totalled 26 in Saskatchewan in 1987. Of these victims 20 were males and 6 were females.

Table 18. Standardized* Mortality Rates for Saskatchewan, Decennial Census Years, 1921-87†

Year	Both sexes	Male	Female
1921	10.4	10.5	10.3
1931	10.0	10.0	10.0
1941	9.2	9.6	8.7
1951	7.8	8.4	7.1
1961	6.7	7.8	5.3
1971	5.9	7.3	4.5
1981	5.2	6.6	3.9
1987	**	6.0	4.5

* *Standardized to the 1956 Saskatchewan census population.*
† *Source-Statistics Canada.*
** *Data not available at time of publishing.*

Table 19. Deaths by Age and Sex with Rates and Percentages, Saskatchewan, 1987

Age	Number			Rate per 1,000 population*			Per cent		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total	7,808	4,332	3,476	7.5	8.3	6.7	100.0	100.0	100.0
<1	155	92	63	9.4	11.1	7.7	2.0	2.1	1.8
1-4	37	26	11	0.5	0.7	0.3	0.5	0.6	0.3
5-9	25	13	12	0.3	0.3	0.3	0.3	0.3	0.3
10-14	35	23	12	0.4	0.6	0.3	0.4	0.5	0.3
15-19	75	54	21	0.9	1.3	0.5	1.0	1.2	0.6
20-24	101	76	25	1.1	1.6	0.6	1.3	1.8	0.7
25-29	81	55	26	0.9	1.1	0.6	1.0	1.3	0.7
30-34	74	56	18	0.8	1.2	0.4	0.9	1.3	0.5
35-39	91	61	30	1.3	1.7	0.9	1.2	1.4	0.9
40-44	93	58	35	1.7	2.0	1.3	1.2	1.3	1.0
45-49	135	87	48	2.9	3.7	2.1	1.7	2.0	1.4
50-54	203	135	68	4.6	6.0	3.1	2.6	3.1	2.0
55-59	323	204	119	7.1	8.9	5.3	4.1	4.7	3.4
60-64	508	328	180	11.4	15.1	7.9	6.5	7.6	5.2
65-69	709	456	253	17.2	23.3	11.6	9.1	10.5	7.3
70-74	940	583	357	26.4	35.5	18.6	12.0	13.5	10.3
75-79	1,135	656	479	44.0	56.7	33.7	14.5	15.1	13.8
80-84	1,204	595	609	73.5	85.7	64.5	15.4	13.7	17.5
85-89	916	434	482	109.1	129.9	95.4	11.7	10.0	13.9
90+	968	340	628	210.8	220.5	205.8	12.4	7.8	18.1

* *Rates were calculated using the Health Insurance Registration Covered Population as of June 30, 1987.*

Table 20. Leading Causes of Death in Each Age Group, Saskatchewan, 1987

Age group and cause of death	Deaths in specified age groups		Deaths at all ages from specified causes	
	Number	Percent	Number	Per cent in specified age group
Under 1 year	155	100.0	–	–
B45 Conditions in perinatal period	62	40.0	62	100.0
B44 Congenital anomalies	43	27.7	58	74.1
B46 Symptoms and ill-defined conditions	23	14.8	71	32.4
Other	27	17.4	–	–
1-4 years	37	100.0	–	–
BE51 Accidents caused by fires/flames	8	21.6	32	25.0
BE52 Other accidents, late effects	7	18.9	108	6.5
B22 Diseases of the nervous system	6	16.2	153	3.9
BE47 Transport accidents	6	16.2	259	2.3
B46 Symptons and ill-defined conditions	3	8.1	71	4.2
B08-B14 Malignant neoplasms	2	5.4	1,934	0.1
B44 Congenital anomalies	2	5.4	58	3.4
Other	3	8.1	–	–
5-14 years	60	100.0	–	–
BE47 Transport accidents	18	30.0	259	6.9
B08-B14 Malignant neoplasms	11	18.3	1,934	0.6
BE51 Accidents caused by fires/flames	6	10.0	32	18.8
BE52 Other accidents, late effects	6	10.0	108	5.6
B32 Other diseases of respiratory system	4	6.7	678	0.6
B22 Diseases of the nervous system	3	5.0	153	2.0
B44 Congenital anomalies	3	5.0	58	5.2
Other	9	15.0	–	–
15-24 years	176	100.0	–	–
BE47 Transport accidents	87	49.4	259	33.6
BE54 Suicide and self-inflicted injury	37	21.0	132	28.0
B22 Diseases of the nervous system	9	5.1	153	5.9
Other	43	24.4	–	–
25-34 years	155	100.0	–	–
BE47 Transport accidents	35	22.6	259	13.5
BE54 Suicide and self-inflicted injury	30	19.4	132	22.7
B08-B14 Malignant neoplasms	17	11.0	1,934	0.9
BE52 Other accidents, late effects	13	8.4	108	12.0
B32 Other diseases of respiratory system	8	5.2	678	1.2
B48 Accidental poisoning	8	5.2	30	26.7
Other	44	28.4	–	–
35-44 years	184	100.0	–	–
B08-B14 Malignant neoplasms	45	24.5	1,934	2.3
BE47 Transport accidents	28	15.2	259	10.8
BE52 Other accidents, late effects	18	9.8	108	16.7
BE54 Suicide and self-inflicted injury	17	9.2	132	12.9
B27 Ischaemic heart disease	15	8.2	1,858	0.8
B28 Pulmonary and other heart disease	10	5.4	556	1.8
Other	51	27.7	–	–
45-64 years	1,169	100.0	–	–
B08-B14 Malignant neoplasms	482	41.2	1,934	24.9
B27 Ischaemic heart disease	244	20.9	1,858	13.1
Other	443	37.9	–	–
65+	5,872	100.0	–	–
B27 Ischaemic heart disease	1,596	27.2	1,858	85.9
B08-B14 Malignant neoplasms	1,369	23.3	1,934	70.8
B32 Other diseases of respiratory system	605	10.3	678	89.2
B29 Cerebrovascular disease	599	10.2	650	92.2
B28 Pulmonary and other heart disease	488	8.3	556	87.8
Other	1,215	20.7	–	–

Table 21. Deaths from Leading Causes by Sex, with Per Cent Distribution and Rates Per 100,000 Population, Saskatchewan, 1986 and 1987

Causes of death ("B" List—9th Revision)	Number		Per cent		Rate†	
	1987	1986	1987	1986	1987	1986
	Both sexes					
All causes of death	7,808	8,061	100.0	100.0	746.9	774.1
B08-B14 Malignant neoplasms	1,934	1,897	24.8	23.5	185.0	182.2
B27 Ischaemic heart disease	1,858	1,974	23.8	24.5	177.7	189.6
B32 Other diseases of respiratory system	678	815	8.7	10.1	64.9	78.3
B29 Cerebrovascular disease	650	636	8.3	7.9	62.2	61.1
B28 Pulmonary and other heart disease	556	478	7.1	5.9	53.2	45.9
B34 Other parts of digestive system	314	326	4.0	4.0	30.0	31.3
BE47 Transport accidents	259	271	3.3	3.4	24.8	26.0
B30 Other diseases of circulatory system	199	269	2.5	3.3	19.0	25.8
B18 Endocrine and metabolic diseases	186	182	2.4	2.3	17.8	17.5
B22 Diseases of the nervous system	153	164	2.0	2.0	14.6	15.7
	Male					
All causes of death	4,332	4,633	100.0	100.0	825.3	885.4
B08-B14 Malignant neoplasms	1,108	1,081	25.6	23.3	211.1	206.6
B27 Ischaemic heart disease	1,084	1,214	25.0	26.2	206.5	232.0
B32 Other diseases of respiratory system	391	476	9.0	10.3	74.5	91.0
B29 Cerebrovascular disease	275	292	6.3	6.3	52.4	55.8
B28 Pulmonary and other heart disease	265	238	6.1	5.1	50.5	45.5
BE47 Transport accidents	188	202	4.3	4.4	35.8	38.6
B34 Other parts of digestive system	153	179	3.5	3.9	29.1	34.2
B30 Other diseases of circulatory system	111	152	2.6	3.3	21.1	29.0
BE54 Suicide and self-inflicted injury	103	107	2.4	2.3	19.6	20.4
BE52 Other accidents, late effects	85	99	2.0	2.1	16.2	18.9
	Female					
All causes of death	3,476	3,428	100.0	100.0	667.8	661.6
B08-B14 Malignant neoplasms	826	816	23.8	23.8	158.7	157.5
B27 Ischaemic heart disease	774	760	22.3	22.2	148.7	146.7
B29 Cerebrovascular disease	375	344	10.8	10.0	72.0	66.4
B28 Pulmonary and other heart disease	291	240	8.4	7.0	55.9	46.3
B32 Other diseases of respiratory system	287	339	8.3	9.9	55.1	65.4
B34 Other parts of digestive system	161	147	4.6	4.3	30.9	28.4
B18 Endocrine and metabolic diseases	103	83	3.0	2.4	19.8	16.0
B30 Other diseases of circulatory system	88	117	2.5	3.4	16.9	22.6
B22 Diseases of the nervous system	81	70	2.3	2.0	15.6	13.5
BE47 Transport accidents	71	69	2.0	2.0	13.6	13.3

† *Rates were calculated using the Health Insurance Registration Covered Population as of June 30, 1986 and 1987.*

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1987

Cause of death ("B" List-9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedent	
	Number			Per cent					
	Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
1 Intestinal infectious diseases	8.31	0.00	8.31	0.00	100.00	–	82.50	–	8.31
2 Tuberculosis	74.65	32.27	42.38	43.23	56.77	76.57	65.00	10.76	21.19
3 Other bacterial diseases	455.01	183.30	271.71	40.28	59.72	69.95	76.68	15.27	14.30
4 Viral diseases	729.01	407.51	321.50	55.90	44.10	44.58	40.36	33.96	45.93
6 Venereal diseases	14.69	0.00	14.69	0.00	100.0	–	72.50	–	14.69
7 Other infectious, parasitic diseases	217.26	85.25	132.01	39.24	60.76	36.31	53.75	42.62	33.00
8 Malignant neoplasm of lip, oral cavity, pharynx	437.28	332.61	104.67	76.06	23.94	69.12	73.56	14.46	14.95
9 Malignant neoplasm of digestive organs, peritoneum	7,553.06	4,184.87	3,368.19	55.41	44.59	70.96	75.25	13.63	13.98
10 Malignant neoplasm of respiratory and related organs	6,439.54	4,206.73	2,232.81	65.33	34.67	71.28	67.39	13.23	19.42
11 Malignant neoplasm of bone, skin, breast	3,926.57	459.99	3,466.58	11.71	88.29	60.32	66.60	23.00	20.63
12 Malignant neoplasm of genitourinary organs	4,485.76	2,402.50	2,083.26	53.56	46.44	75.50	70.71	10.92	17.36
13 Malignant neoplasm of other and unspecified sites	3,607.80	1,785.71	1,822.09	49.50	50.50	64.91	68.28	17.86	19.38
14 Malignant neoplasm of lymph and haemopoietic tissue	3,721.31	2,335.29	1,386.02	62.75	37.25	64.10	71.16	19.46	17.11
15 Benign neoplasm	121.62	53.32	68.30	43.84	56.16	71.25	70.00	13.33	17.07
16 Carcinoma in situ	18.51	0.00	18.51	0.00	100.0	–	67.50	–	18.51
17 Other and unspecified neoplasm	164.66	37.45	127.21	22.74	77.26	79.85	71.04	9.36	18.17
18 Endocrine and metabolic diseases	2,513.05	1,244.99	1,268.06	49.54	50.46	70.37	78.82	15.00	12.31
19 Nutritional deficiencies	53.41	0.00	53.41	0.00	100.00	–	69.17	–	17.80
20 Diseases of blood and blood-forming organs	628.44	205.12	423.32	32.64	67.36	77.89	68.43	9.77	20.16
21 Mental disorders	598.50	350.12	248.38	58.50	41.50	71.38	83.14	14.59	9.94
22 Diseases of the nervous system	3,327.06	1,506.34	1,820.72	45.28	54.72	63.18	66.27	20.92	22.48
24 Diseases of ear and mastoid process	18.13	18.13	0.00	100.0	0.00	62.50	–	18.13	–
25 Rheumatic fever/heart disease	438.70	80.27	358.43	18.30	81.70	67.50	69.41	16.05	18.86
26 Hypertensive disease	523.91	264.49	259.42	50.48	49.52	76.92	80.77	10.58	10.38
27 Ischaemic heart disease	21,066.92	12,730.44	8,336.48	60.43	39.57	74.43	80.48	11.74	10.77
28 Pulmonary and other heart disease	6,212.64	3,242.22	2,970.42	52.19	47.81	74.99	82.51	12.23	10.21
29 Cerebrovascular disease	6,335.48	2,589.29	3,746.19	40.87	59.13	79.28	82.12	9.42	9.99
30 Other diseases of the circulatory system	2,211.09	1,198.42	1,012.67	54.20	45.80	76.90	79.85	10.80	11.51
31 Diseases of the upper respiratory tract	98.60	18.13	80.47	18.39	81.61	62.50	0.11	18.13	80.47

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1987 (Continued)

Cause of death ("B" List-9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedents	
	Number			Per cent					
	Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
32 Other diseases of the respiratory system	7,660.82	4,214.89	3,445.93	55.02	44.98	77.49	79.74	10.78	12.01
34 Other parts of digestive system	4,154.44	1,982.04	2,172.40	47.71	52.29	72.51	76.97	12.95	13.49
35 Diseases of urinary system	1,136.39	530.95	605.44	46.72	53.28	80.23	80.90	8.70	10.81
36 Diseases of male genital organs	50.42	50.42	0.00	100.00	0.00	83.44	–	7.20	–
37 Diseases of female genital organs	6.44	0.00	6.44	0.00	100.00	–	89.90	–	6.44
39 Direct obstetric causes	40.37	0.00	40.37	0.00	100.00	–	42.50	–	40.37
42 Diseases of skin	20.58	14.14	6.44	68.71	31.29	83.60	80.90	7.07	6.44
43 Musculoskeletal and connective tissue	267.68	121.30	146.38	45.32	54.68	73.44	72.15	12.13	18.30
44 Congenital anomalies	3,841.69	1,900.04	1,941.65	49.46	50.54	12.22	12.67	63.33	69.34
45 Conditions in perinatal period	4,716.74	2,946.40	1,770.34	62.47	37.53	0.11	0.11	73.66	80.47
46 Symptoms and ill-defined conditions	2,385.29	1,539.53	845.76	64.54	35.46	39.48	66.91	41.61	24.88
E 47 Transport accidents	11,086.73	7,886.87	3,199.86	71.14	28.86	36.04	38.57	41.95	45.07
E 48 Accidental poisoning	1,147.81	814.10	333.71	70.93	29.07	40.91	41.25	37.00	41.71
E 49 Misadventures during medical care	131.52	131.52	0.00	100.00	0.00	35.04	–	43.84	–
E 50 Accidental falls	974.24	521.09	453.15	53.49	46.51	71.89	82.88	14.08	9.85
E 51 Accidents caused by fires and flames	1,572.03	970.67	601.36	61.75	38.25	31.93	28.59	46.22	54.67
E 52 Other accidents, late effects	3,889.28	3,184.65	704.63	81.88	18.12	41.15	55.67	37.47	30.64
E 54 Suicide and self-inflicted injury	5,153.54	3,723.88	1,429.66	72.26	27.74	42.49	33.71	36.15	49.30
E 55 Homicide and intentional injury	1,112.33	865.15	247.18	77.78	22.22	38.74	42.50	39.32	41.20
E 56 Other violence	533.46	330.78	202.68	62.01	37.99	35.63	42.50	41.35	40.54
Total	125,882.77	71,683.18	54,199.59	56.94	43.06	68.58	74.56	16.55	15.59

* Based on "Life Tables, Canada and the Provinces, 1985-1987", prepared by Statistics Canada, Ottawa, Ontario, September, 1989.

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1987

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
All causes		7,808	746.9	4,332	3,476
A 3	Other samonella infections, food poisoning	1	0.1	–	1
A 7	Tuberculosis of respiratory system	5	0.5	3	2
A 15	Septicemia	30	2.9	11	19
A 16	All other bacterial diseases	1	0.1	1	–
A 19	Measles	1	0.1	–	1
A 22	Viral hepatitis	3	0.3	2	1
A 23	Other viral diseases	15	1.4	10	5
A 28	Neurosyphilis	1	0.1	–	1
A 32	Mycoses	2	0.2	1	1
A 36	All other infectious, parasitic diseases and their late effects	4	0.4	1	3
A 37	Malignant neoplasm of lip	1	0.1	1	–
A 38	Malignant neoplasm of tongue	5	0.5	3	2
A 39	Malignant neoplasm of pharynx	12	1.1	8	4
A 40	Malignant neoplasms of other and ill-defined sites within the lip, oral cavity, and pharynx	12	1.1	11	1
A 41	Malignant neoplasm of esophagus	28	2.7	24	4
A 42	Malignant neoplasm of stomach	93	8.9	60	33
A 43	Malignant neoplasm of small intestine, inc. duod.	1	0.1	1	–
A 44	Malignant neoplasms of hepatic and splenic flexures and transverse colon	4	0.4	1	3
A 45	Malignant neoplasm of descending colon	4	0.4	2	2
A 46	Malignant neoplasm of signoid colon	25	2.4	15	10
A 47	Malignant neoplasms of caecum, appendix, and ascending colon	21	2.0	10	11
A 48	Malignant neoplasms other and colon, unspecified	106	10.1	53	53
A 49	Malignant neoplasms of rectum, rectosignoid junction and anus	58	5.5	33	25
A 50	Malignant neoplasms of liver, primary	4	0.4	3	1
A 51	Malignant neoplasm of intrahepatic bile ducts	4	0.4	2	2
A 52	Malignant neoplasm of liver, not specified as primary or secondary	23	2.2	12	11
A 53	Malignant neoplasms of gallbladder and extrahepatic bile ducts	27	2.6	14	13
A 54	Malignant neoplasms of pancreas	113	10.8	61	52
A 55	Malignant neoplasms of retroperitoneum, peritoneum and other ill-defined sites	37	3.5	16	21
A 56	Malignant neoplasm of larynx	5	0.5	5	–
A 57	Malignant neoplasms of trachea, bronchus, and lung	421	40.3	310	111
A 58	Malignant neoplasms of all other and ill-defined sites within respiratory system	7	0.7	3	4
A 59	Malignant neoplasms of bone and articular cartilage	9	0.9	5	4
A 60	Malignant neoplasms of connective and other soft tissue	12	1.1	6	6
A 61	Melanoma of skin	14	1.3	7	7
A 62	Other malignant neoplasms of skin	2	0.2	2	–
A 63	Malignant neoplasm of female breast	151	14.4	–	151
A 65	Malignant neoplasm of cervix uteri	13	1.2	–	13
A 66	Malignant neoplasms of other parts of uterus	25	2.4	–	25
A 67	Malignant neoplasms of ovary and other uterine adnexa	44	4.2	–	44
A 68	Malignant neoplasms of other and unspecified female genital organs	4	0.4	–	4
A 69	Malignant neoplasm of prostate	139	13.3	139	–

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
154	98	130	46	230	109	754	415	1,039	610	2,025	2,198	–
–	–	–	–	–	–	–	–	–	–	–	1	A 3
–	–	–	–	–	–	1	1	–	–	2	1	A 7
–	1	–	–	2	–	–	2	3	3	6	13	A 15
–	–	–	–	–	–	–	–	1	–	–	–	A 16
–	1	–	–	–	–	–	–	–	–	–	–	A 19
–	–	–	–	–	1	1	–	1	–	–	–	A 22
–	2	–	–	7	–	2	–	1	1	–	2	A 23
–	–	–	–	–	–	–	–	–	1	–	–	A 28
1	1	–	–	–	–	–	–	–	–	–	–	A 32
–	–	–	–	–	–	–	2	1	–	–	1	A 36
–	–	–	–	–	–	–	–	–	–	1	–	A 37
–	–	–	–	–	–	2	1	–	–	1	1	A 38
–	–	–	–	–	–	5	–	1	2	2	2	A 39
–	–	–	–	–	–	3	1	4	–	4	–	A 40
–	–	–	–	1	–	10	–	7	–	6	4	A 41
–	–	–	–	2	–	12	5	22	7	24	21	A 42
–	–	–	–	–	–	–	–	–	–	1	–	A 43
–	–	–	–	–	–	–	–	–	1	1	2	A 44
–	–	–	–	–	–	–	–	–	1	2	1	A 45
–	–	–	–	1	–	6	2	1	5	7	3	A 46
–	–	–	–	–	–	–	2	3	2	7	7	A 47
–	–	–	–	–	1	14	9	18	11	21	32	A 48
–	–	–	–	1	–	10	5	13	8	9	12	A 49
–	–	–	–	–	–	2	–	1	1	–	–	A 50
–	–	–	–	–	–	1	–	1	2	–	–	A 51
–	–	–	–	–	–	3	3	3	6	6	2	A 52
–	–	–	–	–	–	4	2	4	3	6	8	A 53
–	–	–	–	–	–	15	10	27	19	19	23	A 54
–	–	–	–	–	–	5	3	7	5	4	12	A 55
–	–	–	–	–	–	1	–	3	–	1	–	A 56
–	–	–	–	1	4	79	45	114	32	116	30	A 57
–	–	–	–	–	–	1	2	2	1	–	1	A 58
1	1	–	–	1	–	1	–	–	2	2	1	A 59
–	–	–	–	2	1	2	2	–	–	2	3	A 60
–	–	–	–	2	1	1	3	2	1	2	2	A 61
–	–	–	–	–	–	–	–	–	–	2	–	A 62
–	–	–	–	–	17	–	46	–	39	–	49	A 63
–	–	–	–	–	2	–	5	–	3	–	3	A 65
–	–	–	–	–	–	–	3	–	9	–	13	A 66
–	–	–	–	–	1	–	16	–	13	–	14	A 67
–	–	–	–	–	–	–	–	–	–	–	4	A 68
–	–	–	–	–	–	14	–	32	–	93	–	A 69

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1987 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
A 70	Malignant neoplasm of testis	1	0.1	1	—
A 72	Malignant neoplasm of bladder	51	4.9	39	12
A 73	Malignant neoplasm of kidney and other unspecified urinary organs	63	6.0	41	22
A 74	Malignant neoplasm of eye	5	0.5	2	3
A 75	Malignant neoplasm of brain	53	5.1	30	23
A 76	Malignant neoplasms of other and unspecified parts of nervous system	1	0.1	—	1
A 77	Malignant neoplasms of thyroid gland and other endocrine glands and related structures	5	0.5	1	4
A 78	Malignant neoplasms of all other and unspecified sites	130	12.4	67	63
A 79	Lymphosarcoma and reticulosarcoma	10	1.0	4	6
A 80	Hodgkins disease	4	0.4	3	1
A 81	Other malignant neoplasms of lymphoid and histiocytic tissue	59	5.6	31	28
A 82	Multiple myeloma and innumoproliferative neoplasms	34	3.3	24	10
A 83	Lymphoid leukemia	33	3.2	23	10
A 84	Myeloid leukemia	40	3.8	23	17
A 85	Monocytic leukemia	3	0.3	1	2
A 86	Other and unspecified leukemia	18	1.7	11	7
A 88	Malignant neoplasm of eye, brain, nervous system	4	0.4	2	2
A 89	All other and unspecified sites	4	0.4	2	2
A 91	Malignant neoplasm of all other and unspecified sites	1	0.1	—	1
A 92	Neoplasms of uncertain behavior	10	1.0	3	7
A 93	Neoplasms of unspecified nature	1	0.1	1	—
A 94	Disorders of thyroid gland	3	0.3	—	3
A 95	Diabetes mellitus	140	13.4	62	78
A 96	Disorders of pituitary and hypothalamic glands	1	0.1	—	1
A 99	Cystic fibrosis	5	0.5	2	3
A 100	Obesity	8	0.8	4	4
A 101	All other indocrine and metabolic diseases and immunity disorders	29	2.8	15	14
A 103	Other protein-calorie malnutrition	3	0.3	—	3
A 105	Deficienct anemias	1	0.1	1	—
A 106	Hemolytic anemias	1	0.1	—	1
A 107	Aplastic anemia	12	1.1	6	6
A 108	Other and unspecified anemias	13	1.2	7	6
A 109	Purpura and hemorrhagic conditions	2	0.2	—	2
A 110	All other diseases of blood and blood-forming organs	13	1.2	7	6
A 111	Senile and presenile organic psychotic conditions	15	1.4	3	12
A 113	All other psychoses	8	0.8	4	4
A 114	Alcohol dependence syndrome	12	1.1	10	2
A 116	Other neurotic, personality, and nonpsychotic mental disorders	14	1.3	7	7
A 118	Meningitis	4	0.4	2	2
A 119	Parkinsons disease	19	1.8	7	12
A 120	Other hereditary and degenerative diseases of the central nervous system	71	6.8	37	34
A 121	Multiple sclerosis	8	0.8	—	8
A 122	Infantile cerebral palsy	4	0.4	2	2

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	–	–	–	1	–	–	–	A 70
–	–	–	–	1	–	2	2	15	–	21	10	A 72
–	1	–	–	–	–	18	9	12	3	11	9	A 73
–	–	–	–	–	1	1	1	1	1	–	–	A 74
2	1	1	–	4	4	9	9	10	7	4	2	A 75
–	–	–	–	–	–	–	–	–	1	–	–	A 76
–	–	–	–	–	1	–	1	1	1	–	1	A 77
–	–	1	–	1	–	19	15	24	18	22	30	A 78
–	–	–	–	1	–	1	2	1	1	1	3	A 79
–	–	–	–	1	–	1	–	1	–	–	1	A 80
–	–	1	1	2	1	5	4	7	11	16	11	A 81
–	–	–	–	1	1	3	1	8	1	12	7	A 82
3	–	–	–	–	–	7	–	5	2	8	8	A 83
4	–	1	–	2	2	8	4	3	7	5	4	A 84
–	–	–	–	–	–	–	–	1	–	–	2	A 85
1	1	1	–	1	–	1	3	2	1	5	2	A 86
–	–	–	–	–	–	1	1	1	1	–	–	A 88
–	–	–	–	–	–	–	–	–	–	2	2	A 89
–	–	–	–	–	1	1	–	–	1	–	–	A 91
–	–	–	–	–	–	–	–	–	2	2	4	A 92
–	–	–	–	–	–	–	–	–	–	1	–	A 93
–	–	1	–	5	1	13	6	11	13	32	3	A 94
–	2	1	1	1	–	–	–	–	–	–	58	A 95
–	–	–	–	–	–	2	–	1	2	1	1	A 96
–	–	–	–	1	–	4	–	2	–	8	2	A 99
–	–	–	–	–	–	–	2	–	–	–	14	A 100
–	–	–	–	–	–	–	–	–	–	1	1	A 101
–	–	–	–	–	1	–	2	3	–	–	–	A 103
–	–	–	–	–	–	–	1	1	3	3	3	A 105
–	1	–	–	–	2	2	–	–	1	6	2	A 106
–	–	–	–	–	–	–	–	2	–	–	1	A 107
–	–	–	–	3	–	3	–	–	–	3	3	A 108
–	–	–	–	–	–	–	2	1	–	3	12	A 109
–	–	–	–	–	–	–	–	3	–	3	4	A 110
–	1	–	1	–	–	2	1	2	–	1	–	A 111
–	–	–	–	–	–	–	–	–	–	5	6	A 113
3	1	1	1	–	–	3	4	8	2	22	26	A 114
–	–	–	1	–	1	–	4	–	1	–	1	A 116
1	1	1	–	–	–	–	1	–	–	–	–	A 118
								2	4	4	8	A 119
												A 120
												A 121
												A 122

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1987 (Continued)

Cause of death	All ages			
	Both sexes			
	Number	Rate	Male	Female
A 123 Epilepsy	10	1.0	3	7
A 124 Other disorders of nervous system	37	3.5	21	16
A 126 Diseases of ear and mastoid	1	0.1	1	–
A 127 Acute rheumatic fever	1	0.1	1	–
A 128 Diseases of mitral valve	11	1.1	2	9
A 129 Disease of aortic valves	1	0.1	–	1
A 130 Diseases of mitral and aortic valves	3	0.3	1	2
A 131 All other chronic rheumatic heart disease	8	0.8	1	7
A 132 Essential hypertension	15	1.4	7	8
A 133 Hypertensive heart disease	19	1.8	10	9
A 134 Hypertensive renal disease	13	1.2	7	6
A 135 Hypertensive heart and renal diseases	3	0.3	1	2
A 136 Acute myocardial infarction	1,183	113.2	712	471
A 137 Ischaemic heart disease	13	1.2	10	3
A 138 Angina pectoris	2	0.2	–	2
A 139 All other forms of chronic ischaemic heart disease	660	63.1	362	298
A 140 Diseases of pulmonary circulation	50	4.8	32	18
A 141 Acute and subacute endocarditis	3	0.3	2	1
A 142 Acute pericarditis, acute myocarditis, and other diseases of pericardium	10	1.0	5	5
A 143 Mitral valve disorders	8	0.8	4	4
A 144 Aortic valve disorders	29	2.8	19	10
A 145 Other diseases of endocardium	6	0.6	4	2
A 146 Heart failure	238	22.8	94	144
A 147 Myocarditis, unspecified and myocardial degeneration	5	0.5	3	2
A 148 All other and ill-defined forms of heart disease	207	19.8	102	105
A 149 Subarachnoid hemorrhage	26	2.5	13	13
A 150 Intracerebral and other intracranial haemorrhage	81	7.7	45	36
A 151 Occlusion and stenosis of precerebral arteries	4	0.4	1	3
A 152 Cerebral thrombosis and unspecified occlusion of cerebral arteries	87	8.3	39	48
A 153 Cerebral embolism	4	0.4	1	3
A 154 Acute but ill-defined cerebrovascular disease	386	36.9	154	232
A 155 Other and late effects of cerebrovascular diseases	62	5.9	22	40
A 156 Atherosclerosis	68	6.5	31	37
A 157 Aortic aneurysm	63	6.0	45	18
A 158 All other diseases of arteries, arterioles, and capillaries	38	3.6	21	17
A 159 Phlebitis, thrombophlebitis, and venous embolism and thrombosis	25	2.4	9	16
A 160 All other diseases of veins and lymphatics, and other diseases of circulatory system	5	0.5	5	–
A 161 Upper respiratory infections	1	0.1	–	1
A 162 Other diseases of upper respiratory	1	0.1	1	–
A 163 Acute bronchitis, bronchiolitis	3	0.3	2	1
A 164 Viral pneumonia	2	0.2	2	–
A 165 Pneumococcal and other bacterial pneumonia	13	1.2	8	5
A 166 Bronchopneumonia, organism unspecified	136	13.0	68	68
A 167 Pneumonia due to other and unspecified organism	180	17.2	86	94
A 168 Influenza	17	1.6	8	9
A 169 Bronchitis, not specified as acute or chronic	1	0.1	1	–
A 170 Chronic bronchitis	21	2.0	15	6
A 171 Emphysema	43	4.1	33	10
A 172 Asthma	20	1.9	9	11
A 173 Bronchiectasis and extrinsic allergic alveolitis	7	0.7	3	4

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	1	2	–	–	3	–	2	1	–	–	1	A 123
1	3	2	–	2	–	8	1	5	5	3	7	A 124
–	–	–	–	–	–	1	–	–	–	–	–	A 126
–	–	–	–	–	–	–	–	1	–	–	–	A 127
–	1	–	–	–	–	1	3	–	2	1	3	A 128
–	–	–	–	–	–	–	1	–	–	–	–	A 129
–	–	–	–	1	–	–	1	–	–	–	1	A 130
–	–	–	–	–	–	–	–	–	2	1	5	A 131
–	–	–	–	–	–	1	–	1	–	5	8	A 132
–	–	–	–	–	–	3	–	3	3	4	6	A 133
–	–	–	–	–	–	–	1	–	1	7	4	A 134
–	–	–	–	–	–	1	–	–	–	–	2	A 135
–	–	–	–	10	1	146	31	231	105	325	334	A 136
–	–	–	–	–	–	1	1	2	–	7	2	A 137
–	–	–	–	–	–	–	–	–	1	–	1	A 138
–	–	–	–	5	2	51	14	82	42	224	240	A 139
–	–	–	–	4	1	3	3	9	5	16	9	A 140
–	–	–	–	–	–	1	1	1	–	–	–	A 141
1	–	–	–	–	2	–	–	2	2	2	1	A 142
–	–	–	–	–	–	1	1	1	1	2	2	A 143
–	–	–	–	–	–	1	1	6	2	12	7	A 144
–	–	–	–	–	–	–	–	1	1	3	1	A 145
–	–	–	–	–	–	2	2	19	7	73	135	A 146
1	–	–	–	–	–	–	–	2	–	–	2	A 147
2	–	1	1	6	3	23	7	16	10	54	84	A 148
–	–	1	–	1	1	8	9	2	3	1	–	A 149
–	–	–	–	1	–	6	6	15	5	23	25	A 150
–	–	–	–	–	–	–	–	1	1	–	2	A 151
–	–	–	–	–	–	4	6	9	5	26	37	A 152
–	–	–	–	–	–	–	–	1	–	–	3	A 153
–	–	–	–	–	1	4	2	24	20	126	209	A 154
–	–	–	–	–	1	–	–	2	1	20	38	A 155
–	–	–	–	–	–	1	–	5	3	25	34	A 156
–	–	–	–	1	–	7	1	10	1	27	16	A 157
–	–	–	–	–	–	2	4	8	7	11	6	A 158
–	–	–	–	1	–	1	5	2	6	5	5	A 159
1	–	–	–	–	–	2	–	2	–	–	–	A 160
–	1	–	–	–	–	–	–	–	–	–	–	A 161
–	–	–	–	–	–	1	–	–	–	–	–	A 162
–	1	–	–	–	–	–	–	2	–	–	–	A 163
1	–	–	–	–	–	–	–	–	–	1	–	A 164
–	–	–	–	–	–	1	–	2	2	5	3	A 165
1	–	–	–	–	–	2	4	6	5	59	59	A 166
1	1	–	1	3	–	4	3	7	5	71	84	A 167
–	–	–	–	–	–	1	–	–	–	7	9	A 168
1	–	–	–	–	–	–	–	–	–	–	–	A 169
–	–	–	–	–	–	1	1	4	3	10	2	A 170
–	–	–	–	–	–	5	1	8	4	20	5	A 171
–	–	1	1	1	1	1	1	2	4	4	4	A 172
–	–	–	–	–	–	–	–	1	–	2	4	A 173

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1987 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
A 174	Chronic airways obstruction, not elsewhere classified	161	15.4	117	44
A 175	Pneumoconioses and other lung disease due to external agents	7	0.7	2	5
A 176	Empyema and abscess of lung	5	0.5	4	1
A 177	Pleurisy	6	0.6	2	4
A 178	All other diseases of respiratory system	56	5.4	31	25
A 180	Gastric ulcer	18	1.7	9	9
A 181	Duodenal ulcer	17	1.6	8	9
A 182	Peptic ulcer, site unspecified	7	0.7	5	2
A 183	Gastritis and duodenitis	1	0.1	–	1
A 184	Appendicitis	1	0.1	1	–
A 185	Hernia of abdominal cavity and intestinal obstruction without mention of hernia	37	3.5	14	23
A 186	Regional enteritis and idiopathic proctocolitis	3	0.3	2	1
A 187	Gastroenteritis and colitis	41	3.9	11	30
A 188	Diverticular of intestine	12	1.1	6	6
A 189	Chronic liver disease and cirrhosis, specified as alcoholic	36	3.4	28	8
A 190	Chronic hepatitis and biliary cirrhosis	7	0.7	3	4
A 191	Other, chronic liver disease and cirrhosis without mention of alcohol	33	3.2	24	9
A 192	Cholelithiasis and other disorders of gallbladder	18	1.7	7	11
A 193	All other diseases of digestive system	83	7.9	35	48
A 194	Acute glomerulonephritis	1	0.1	1	–
A 195	Nephrotic syndrome	3	0.3	2	1
A 196	Chronic glomerulonephritis, nephritis, nephropathy, and renal sclerosis unspecified	4	0.4	1	3
A 197	Renal failure and other disorders resulting from impaired function	82	7.8	41	41
A 198	Infections of kidney	7	0.7	5	2
A 199	Urinary calculus	2	0.2	2	–
A 200	Other diseases of urinary system	18	1.7	9	9
A 201	Hyperplasia of prostate	5	0.5	5	–
A 202	Other diseases of male genital organs	2	0.2	2	–
A 204	Other diseases of female genital organs	1	0.1	–	1
A 213	Complication of puerperium	1	0.1	–	1
A 217	Infections of skin and subcutaneous tissue	2	0.2	2	–
A 218	Other diseases of skin and subcutaneous tissue	1	0.1	–	1
A 219	Rheumatoid arthritis and other inflammatory polyarthropathies	3	0.3	1	2
A 220	Arthropathies and related disorders	9	0.9	5	4
A 221	Dorsopathies	1	0.1	1	–
A 222	Rheumatism, excluding the back	1	0.1	1	–
A 223	Ostheopathies, chondropathies, and acquired musculoskeletal deformities	4	0.4	2	2
A 224	Spina bifida	2	0.2	1	1
A 225	All other congenital anomalies of nervous system	10	1.0	4	6
A 226	Congenital anomalies of heart	18	1.7	8	10
A 227	Other congenital anomalies of circulatory system	3	0.3	3	–
A 228	All other congenital anomalies	25	2.4	14	11
A 229	Birth trauma	4	0.4	3	1
A 230	Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	19	1.8	13	6
A 231	Other conditions originating in the perinatal period	39	3.7	24	15
A 232	Senility without mention of psychosis	14	1.3	3	11
A 233	Symptoms, signs and other ill-defined conditions	57	5.5	34	23
AE 234	Railway accidents	4	0.4	3	1

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	1	–	6	2	27	15	83	27	A 174
–	–	–	–	–	–	1	1	–	–	1	4	A 175
–	–	–	–	–	–	2	–	1	–	1	1	A 176
–	–	–	–	–	–	–	–	1	–	1	4	A 177
3	2	1	–	1	3	8	3	5	4	13	13	A 178
–	–	–	–	–	–	1	1	3	1	5	7	A 180
–	–	–	–	–	–	2	–	1	2	5	7	A 181
–	–	–	–	–	–	1	–	–	–	4	2	A 182
–	–	–	–	–	–	–	–	–	–	–	1	A 183
–	–	–	–	–	–	1	–	–	–	–	–	A 184
–	–	–	–	–	–	2	1	2	3	10	19	A 185
–	–	–	–	–	–	1	–	1	–	–	1	A 186
–	1	–	–	–	–	–	1	2	4	9	24	A 187
–	–	–	–	–	–	2	–	2	–	2	6	A 188
–	–	–	–	1	4	12	3	11	–	4	1	A 189
–	–	–	–	–	1	2	–	1	2	–	1	A 190
–	–	–	–	–	–	8	1	8	6	8	2	A 191
–	–	–	–	–	–	–	1	2	4	5	6	A 192
–	1	–	–	1	3	6	2	8	7	20	35	A 193
–	–	–	–	–	–	1	–	–	–	–	–	A 194
–	–	–	–	–	–	–	–	–	–	2	1	A 195
–	–	–	–	–	–	–	1	–	1	1	1	A 196
–	–	–	–	1	1	2	1	8	5	30	34	A 197
–	–	–	–	–	–	–	1	2	–	3	1	A 198
–	–	–	–	–	–	–	–	–	–	2	–	A 199
–	–	–	–	–	–	–	–	3	2	6	7	A 200
–	–	–	–	–	–	–	–	1	–	4	–	A 201
–	–	–	–	–	–	–	–	–	–	2	–	A 202
–	–	–	–	–	–	–	–	–	–	–	1	A 204
–	–	–	–	–	1	–	–	–	–	–	–	A 213
–	–	–	–	–	–	–	–	–	–	2	–	A 217
–	–	–	–	–	–	–	–	–	–	–	1	A 218
–	–	–	–	–	–	–	–	–	–	1	2	A 219
–	–	–	–	–	–	2	–	2	2	1	2	A 220
–	–	–	–	–	–	–	–	1	–	–	–	A 221
–	–	–	–	–	–	–	–	–	–	1	–	A 222
–	1	–	–	–	–	–	–	–	–	2	1	A 223
1	1	–	–	–	–	–	–	–	–	–	–	A 224
3	6	–	–	–	–	–	–	–	–	1	–	A 225
7	7	–	1	–	–	–	–	–	1	1	1	A 226
3	–	–	–	–	–	–	–	–	–	–	–	A 227
11	9	–	–	–	–	2	–	–	–	1	2	A 228
3	1	–	–	–	–	–	–	–	–	–	–	A 229
13	6	–	–	–	–	–	–	–	–	–	–	A 230
24	15	–	–	–	–	–	–	–	–	–	–	A 231
–	–	–	–	–	–	–	–	–	–	3	11	A 232
18	8	–	–	1	–	2	1	5	–	8	14	A 233
–	–	1	–	1	–	1	–	–	–	–	1	AE 234

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1987 (Continued)

Cause of death		All ages			
		Both sexes			
		Number	Rate	Male	Female
AE 235	Involving collision with train	2	0.2	2	–
AE 236	Involving collision with another motor vehicle	89	8.5	62	27
AE 237	Involving collision with pedestrian	38	3.6	23	15
AE 238	Involving collision with other vehicle or object	16	1.5	13	3
AE 239	Not involving collision on highway	62	5.9	47	15
AE 240	Motor vehicle traffic accident of unspecified nature	34	3.3	25	9
AE 241	Motor vehicle nontraffic accident	7	0.7	7	–
AE 242	Other road vehicle accidents	2	0.2	1	1
AE 243	Water transport accidents	1	0.1	1	–
AE 244	Air and space transport accidents	4	0.4	4	–
AE 246	Accidental poisoning by drugs, medicaments, and biologicals	11	1.1	5	6
AE 247	Accidental poisoning by other solid or liquid substances	9	0.9	7	2
AE 248	Accidental poisoning by gases and vapors	10	1.0	10	–
AE 249	Misadventures during medical care	3	0.3	3	–
AE 250	Fall from one level to another	26	2.5	15	11
AE 251	Fall on same level	9	0.9	4	5
AE 252	Fracture, cause unspecified, and other and unspecified falls	48	4.6	18	30
AE 253	Accidents caused by fires and flames	32	3.1	21	11
AE 255	Accidental drowning and submersion	28	2.7	27	1
AE 256	Suffocation caused by inhalation or ingestion of food or other object	24	2.3	12	12
AE 257	Accidents caused by handgun	1	0.1	1	–
AE 258	Accidents caused by all other and unspecified firearms	5	0.5	5	–
AE 259	Accident caused by explosive material	2	0.2	2	–
AE 261	Accident caused by electric current	2	0.2	2	–
AE 262	All other accidents and late effects of accidental injury	46	4.4	36	10
AE 264	Suicide by drugs, medicaments and biologicals in therapeutic use	11	1.1	3	8
AE 265	Suicide by other solid or liquid substances	6	0.6	3	3
AE 266	Suicide by gases and vapors	15	1.4	12	3
AE 267	Suicide by hanging, strangulation and suffocation	34	3.3	26	8
AE 268	Suicide by handgun	2	0.2	2	–
AE 269	Suicide by all other and unspecified firearms	52	5.0	47	5
AE 270	Suicide by all other means and late effects of self-inflicted injury	12	1.1	10	2
AE 271	Assault by handgun	2	0.2	2	–
AE 272	Assault by all other and unspecified firearms	9	0.9	5	4
AE 273	Assault by cutting and piercing instrument	11	1.1	11	–
AE 274	Assault by other means and late effects of injury	6	0.6	4	2
AE 277	Injury undetermined whether accidentally or purposely inflicted from poisoning by drugs, medicaments and biologicals	10	1.0	5	5
AE 278	Injury undetermined whether accidentally or purposely inflicted from poisoning by other solid or liquid substances	1	0.1	1	–
AE 280	Injury by unspecified firearms	1	0.1	1	–
AE 281	Injury undetermined whether accidentally or purposely inflicted from injury by all other means and late effects of injury	1	0.1	1	–

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	–	–	–	2	–	–	–	AE 235
6	1	18	11	18	3	7	5	6	5	7	2	AE 236
3	3	7	4	8	4	1	3	2	1	2	–	AE 237
3	–	3	–	5	–	2	2	–	1	–	–	AE 238
2	3	24	2	9	5	11	3	1	–	–	2	AE 239
3	1	10	4	4	2	2	2	2	–	4	–	AE 240
–	–	2	–	2	–	2	–	1	–	–	–	AE 241
–	–	1	–	–	–	–	1	–	–	–	–	AE 242
–	–	–	–	–	–	1	–	–	–	–	–	AE 243
–	–	–	–	2	–	2	–	–	–	–	–	AE 244
1	–	–	–	3	4	1	2	–	–	–	–	AE 246
–	–	1	–	1	–	4	2	1	–	–	–	AE 247
–	–	3	–	3	–	3	–	1	–	–	–	AE 248
1	–	–	–	1	–	–	–	–	–	1	–	AE 249
–	–	1	–	1	–	4	2	5	3	4	6	AE 250
–	–	–	–	1	–	–	1	–	1	3	3	AE 251
–	–	–	–	–	–	2	–	4	3	12	27	AE 252
8	6	4	–	3	1	1	3	2	–	3	1	AE 253
6	–	2	–	15	–	4	1	–	–	–	–	AE 255
2	2	1	–	–	–	3	3	3	3	3	4	AE 256
–	–	–	–	1	–	–	–	–	–	–	–	AE 257
1	–	1	–	1	–	2	–	–	–	–	–	AE 258
–	–	–	–	1	–	1	–	–	–	–	–	AE 259
–	–	–	–	1	–	1	–	–	–	–	–	AE 261
4	1	4	–	9	3	10	2	5	2	4	2	AE 262
–	–	1	3	1	3	–	–	1	2	–	–	AE 264
–	–	–	–	–	3	2	–	1	–	–	–	AE 265
–	–	1	2	5	1	5	–	1	–	–	–	AE 266
2	–	4	6	11	1	4	–	2	1	3	–	AE 267
–	–	–	–	1	–	–	–	–	–	1	–	AE 268
–	–	16	2	15	2	10	1	4	–	2	–	AE 269
–	–	1	1	4	–	3	–	–	1	2	–	AE 270
–	–	–	–	2	–	–	–	–	–	–	–	AE 271
–	–	1	2	3	–	–	1	1	1	–	–	AE 272
–	–	3	–	6	–	1	–	–	–	1	–	AE 273
–	–	1	–	2	1	1	1	–	–	–	–	AE 274
–	–	1	–	3	3	1	2	–	–	–	–	AE 277
–	–	–	–	–	–	1	–	–	–	–	–	AE 278
–	–	1	–	–	–	–	–	–	–	–	–	AE 280
–	–	–	–	1	–	–	–	–	–	–	–	AE 281

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1987 (Concluded)

There were no deaths in 1987 from the following:

A 1	Cholera, typhoid, paratyphoid fevers
A 2	Shigellosis
A 4	Amoebiasis
A 5	Intestinal infections, specified
A 6	Ill-defined intestinal infections
A 8	Other tuberculosis
A 9	Brucellosis
A 10	Diptheria
A 11	Whooping cough
A 12	Streptococcal throat, scarlatina, erysipelas
A 13	Meningococcal infection
A 14	Tetanus
A 17	Acute poliomyelitis
A 18	Smallpox
A 20	Rubella
A 21	Anthropod-borne encephalitis
A 24	Typhus and other rickettsioses
A 25	Malaria
A 26	Other arthropod-borne diseases
A 27	Cardiovascular syphilis
A 29	All other syphilis
A 30	Gonococcal infections
A 31	Other venereal diseases
A 33	Helminthiases
A 34	Late effects of tuberculosis
A 35	Late effects of acute poliomyelitis
A 64	Malignant neoplasm of male breast
A 71	Penis and other male genital organs
A 87	Malignant neoplasm of female genital organs
A 90	Malignant neoplasm of breast and genitourinary system
A 97	Diseases of thymus gland
A 98	Disorders of adrenal glands
A 102	Nutritional marasmus
A 104	Other nutritional deficiencies
A 112	Alcoholic psychoses
A 115	Drug dependence
A 117	Mental retardation
A 125	Disorders of eye and adnexa
A 179	Disorder of oral cavity, salivary
A 203	Disorders of breast
A 205	Ectopic pregnancy
A 206	Spontaneous abortion
A 207	Legally induced abortion
A 208	Illegally induced abortion
A 209	Pregnancy with abortive outcome
A 210	Hemorrhage of pregnancy and childbirth
A 211	Toxemia of pregnancy
A 212	Obstructed labor
A 214	Direct obstetric causes
A 215	Indirect obstetric causes
A 216	Delivery in completely normal case
AE 245	Vehicle accidents not elsewhere classifiable
AE 254	Lightning
AE 260	Accident caused by hot substance or object and exposure to radiation
AE 263	Drugs causing adverse effects
AE 275	Legal execution
AE 276	Other legal intervention
AE 279	From injury by handgun
AE 282	Injury from operations of war

Table 24. Accidental and Violent Deaths by External Cause and Internal Cause, Saskatchewan, 1987

External cause of death	Internal cause										
	BN47	BN48	BN49	BN50	BN51	BN52	BN53	BN54	BN55	BN56	Total
All causes of death	178	1	194	52	27	20	94	3	117	2	688
BE47 Transport accidents	97	1	120	7	2	6	–	–	26	–	259
BE48 Accidental poisoning	–	–	–	–	–	–	30	–	–	–	30
BE49 Misadventures during medical care	–	–	–	–	–	–	–	2	1	–	3
BE50 Accidental falls	66	–	14	1	–	–	–	–	2	–	83
BE51 Accidents caused by fires and flames	–	–	–	–	–	11	20	–	1	–	32
BE52 Other accidents, late effects	11	–	17	2	24	2	–	1	49	2	108
BE54 Suicide and self-inflicted injury	2	–	25	34	–	1	32	–	38	–	132
BE55 Homicide and intentional injury	2	–	16	8	1	–	1	–	–	–	28
BE56 Other violence	–	–	2	–	–	–	11	–	–	–	13

Codes for internal cause of deaths:

BN47 Fractures
BN48 Dislocations, sprains, strains
BN49 Intracranial, internal injury, nerves
BN50 Open wounds, injury to blood vessels
BN51 Effects/body entering through orifice
BN52 Burns
BN53 Poisonings and toxic agents
BN54 Complications/medical and surgical care
BN55 Other injuries
BN56 Effects of injury, poisons, toxicity

Table 25. Suicide by Province, 1982-1987

	1982		1983		1984		1985		1986		1987	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Canada	3,523	14.3	3,755	15.1	3,440	13.7	3,259	12.9	3,670	14.5	3,594	14.0
Newfoundand	34	6.0	36	6.2	39	6.7	23	4.0	23	4.0	28	4.9
Prince Edward Island	11	9.0	16	12.9	15	12.0	5	3.9	14	11.1	11	8.6
Nova Scotia	104	12.2	104	12.1	86	9.9	106	12.0	94	10.8	111	12.6
New Brunswick	90	12.9	100	14.2	90	12.6	86	12.0	96	13.5	75	10.5
Quebec	1,071	16.5	1,208	18.5	1,027	15.7	1,124	17.1	1,148	17.6	1,179	17.9
Ontario	1,111	12.7	1,139	12.9	1,101	12.3	1,038	11.4	1,130	12.4	1,069	11.5
Manitoba	139	13.4	165	15.8	134	12.7	127	11.9	153	14.3	170	15.8
Saskatchewan	171	17.5	148	14.9	136	13.5	133	13.0	138	13.7	132	13.0
Alberta	359	15.5	393	16.7	405	17.2	296	12.6	424	17.9	384	16.1
British Columbia	418	15.0	417	14.8	385	13.4	300	10.4	425	14.7	413	14.1
Yukon	7	29.5	8	35.9	5	22.9	8	35.1	10	42.5	7	28.7
Northwest Territories	8	17.0	21	43.4	17	34.4	13	25.5	15	28.7	15	29.0

* *Rate per 100,000 population (Statistics Canada population estimates).*

Table 26. Suicide by Age Group and Sex, Saskatchewan, 1961-1987

		Under 15		15-24		25-44		45-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F
1961	Number	–	–	7	1	17	3	35	8	15	2	6	–
	Rate*	–	–	10.5	1.6	14.5	2.7	40.1	10.2	51.1	8.3	33.3	–
1966	Number	2	–	4	6	21	–	24	7	9	–	3	–
	Rate*	1.2	–	5.2	8.1	19.2	–	25.9	8.1	33.8	–	15.0	–
1971	Number	1	–	12	1	14	3	32	8	3	–	4	–
	Rate*	0.7	–	14.3	1.2	13.8	3.1	33.9	8.7	10.9	–	19.9	–
1976	Number	–	–	25	13	34	9	22	9	3	6	7	1
	Rate*	–	–	27.4	14.9	32.3	8.9	23.7	9.7	9.9	19.6	37.1	4.5
1981	Number	2	2	39	15	42	13	25	6	11	5	8	3
	Rate*	1.8	1.9	41.9	16.5	33.6	10.8	27.3	6.5	32.6	13.8	39.4	11.7
1986	Number	1	–	29	3	33	17	31	6	5	4	8	1
	Rate*	0.8	–	34.1	3.6	22.5	12.0	34.7	6.7	14.2	9.9	35.4	3.3
1987	Number	2	–	23	14	37	10	24	1	9	4	8	–
	Rate*	1.6	–	27.8	17.5	24.7	6.9	27.0	1.1	25.4	9.8	34.3	–

* *Rate per 100,000 population (Statistics Canada population estimates).*

Infant Mortality

Infant Mortality Rate

A favourable infant mortality rate is one of the indications of good general health conditions in an area.

One of the most important of the factors influencing the infant mortality rate is the proportion of births that take place in hospital or under proper medical care. Successful public health programs, availability of hospital facilities, high quality of medical care and high standards of living are some of the conditions which have assisted in creating a downward trend in infant mortality.

The risk of death during the first year of life is higher than at any other age except at very old ages. Not until age 65 for males and age 70 for females is there a greater probability of death than that of infancy — see Saskatchewan Life Table (Table 38 in this report).

Infant Deaths by Age and Sex

Of the total infant deaths, 35.5 per cent occurred during the first day of life and 38.1 per cent before the third day. 56.1 per cent occurred by the end of the first month.

In 1987 the male infant mortality rate was 10.6 per 1,000 male live births, and the female rate was 7.6 per 1,000 female live births.

Causes of Infant Deaths

In 1987 congenital anomalies caused 43 infant deaths (27.8 per cent of the total). Hypoxia, birth asphyxia, and respiratory conditions accounted for 39 infant deaths (25.2 per cent), and immaturity for 4 infant deaths (2.6 per cent). Influenza and pneumonia caused 5 infant deaths (3.2 per cent).

Neonatal Mortality (deaths under 4 weeks of age)

Of the 87 neonatal deaths in Saskatchewan in 1987, 55 occurred during the first day and 68 in the first week of life. Congenital anomalies were the leading causes of neonatal death, followed by hypoxia, asphyxia and respiratory conditions and immaturity.

Saskatchewan's 1987 neonatal mortality rate of 5.1 per 1,000 live births was slightly higher than the rate for all of Canada which was 4.5.

Perinatal Mortality

Deaths occurring before, and soon after, the natal or delivery period frequently have the same underlying causes. Perinatal deaths consist of stillbirths plus deaths under one week of age and the rate is expressed as a proportion of total births (live and stillborn). Under the definition of stillbirth adopted in 1961, in which the minimum gestational period was lowered from 28 to 20 weeks, there were 163 perinatal deaths with a rate of 9.5 per 1,000 total births in 1987, compared with a rate of 10.3 in 1986. Using the old definition of stillbirth (28+ weeks gestation) perinatal deaths would number 135 in 1987, giving a rate of 7.9 per 1,000 total births.

Table 27. Distribution of Infant Deaths by Age, Saskatchewan, 1987

Age	Number	Per cent	Rate*	Cumulative		
				Number	Per cent	Rate*
Total	155	100.0	9.1	155	100.0	9.1
1st day	55	35.5	3.2	55	35.5	3.2
2nd day	4	2.6	0.2	59	38.1	3.5
3rd day	3	1.9	0.2	62	40.0	3.6
4th day	4	2.6	0.2	66	42.6	3.9
5th day	2	1.3	0.1	68	43.9	4.0
6th day	—	—	—	—	—	—
7th day	—	—	—	—	—	—
1st week	—	—	—	—	—	—
2nd week	13	8.4	0.8	81	52.3	4.8
3rd week	4	2.6	0.2	85	54.8	5.0
4th week	2	1.3	0.1	87	56.1	5.1
1st month	87	56.1	5.1	87	56.1	5.1
2nd month	19	12.3	1.1	106	68.4	6.2
3rd month	19	12.3	1.1	125	80.6	7.3
4th month	6	3.9	0.4	131	84.5	7.7
5th month	7	4.5	0.4	138	89.0	8.1
6th month	4	2.6	0.2	142	91.6	8.3
7th month	5	3.2	0.3	147	94.8	8.6
8th month	4	2.6	0.2	151	97.4	8.9
9th month	1	0.6	0.1	152	98.1	8.9
10th month	1	0.6	0.1	153	98.7	9.0
11th month	2	1.3	0.1	155	100.0	9.1
12th month	—	—	—	—	—	—

** Rate per 1,000 live births.*

Table 28. Infant Deaths by Sex and Age at Death, with Rates per 1,000 Live Births, Saskatchewan, 1987

Age of child	Number of infant deaths		Rate*		Per cent	
	Male	Female	Male	Female	Male	Female
Total	92	63	10.6	7.6	100.0	100.0
Under 1 day	27	19	3.1	2.3	29.3	30.2
1 day - 1 week	15	7	1.7	0.8	16.3	11.1
1 week - 1 month	10	9	1.1	1.1	10.9	14.3
1 month - 6 months	32	23	3.7	2.8	34.8	36.5
6 months - 1 year	8	5	0.9	0.6	8.7	7.9

** Rate per 1,000 live births.*

Table 29. Infant Deaths by Selected Causes with Rates per 1,000 Live Births by Age at Death, Saskatchewan, 1987

Cause of death	Total under 1 year		Total under 28 days		Under 1 day		1 day		2 days		3 days		4 days	
	Number	Rate	Number	Rate	M	F	M	F	M	F	M	F	M	F
All infant deaths	155	9.1	87	5.1	27	19	6	3	3	1	2	1	3	1
Acute Respiratory Infections (460-466)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia (480-486)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
Congenital anomalies														
Brain, spine, nervous system (740-742)	9	0.5	7	0.4	1	4	–	–	–	–	–	–	–	–
Heart (746)	6	0.4	2	0.1	1	–	–	–	–	–	–	–	–	–
Other circulatory system (747)	3	0.2	2	0.1	–	–	1	–	–	–	–	–	–	–
Respiratory system (748)	9	0.5	6	0.4	2	1	–	–	–	–	–	–	1	–
Urinary system (753)	2	0.1	1	0.1	–	1	–	–	–	–	–	–	–	–
Other and unspecified (759)	2	0.1	2	0.1	–	1	–	–	–	–	–	–	–	–
Certain causes of perinatal mortality														
Condition of placenta, cord, membrane (762)	4	0.2	4	0.2	3	1	–	–	–	–	–	–	–	–
Birth Injury (763)	1	0.1	1	0.1	–	1	–	–	–	–	–	–	–	–
Immaturity (765)	4	0.2	4	0.2	2	1	–	–	–	–	–	–	–	–
Other complications (779)	4	0.2	4	0.2	3	1	–	–	–	–	–	–	–	–
Symptoms, ill-defined conditions (780-799)	23	1.4	1	0.1	–	–	–	–	–	–	–	–	–	–
Mechanical suffocation (E913)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
All other causes	82	4.8	53	3.1	15	8	5	3	3	1	2	1	2	1

5 days		6 days		7-13 days		14-20 days		21-27 days		28 days under 2 mths		2 months		3 months		4 months		5 months		6-8 months		9-11 months	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	1	–	–	5	5	3	3	2	1	10	9	12	7	4	2	4	3	2	2	6	4	2	1
–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	1	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–	–
–	–	–	–	–	1	–	–	1	–	–	–	–	–	–	–	–	1	–	–	1	–	–	–
–	–	–	–	–	–	–	1	–	–	1	3	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	1	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	2	–	–	–	–	–	–	–	–	2	–	–	–	–	1	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	1	–	6	–	5	2	1	2	1	1	–	–	2	2	–	–
–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	1	–	–	–
1	1	–	–	2	3	2	2	–	1	2	5	6	2	3	–	3	–	–	2	2	1	2	1

Table 30. Infant Deaths from Specific Causes by Sex with Rates per 1,000 Live Births, Saskatchewan, 1987

Cause of death	Total	Sex	
		Male	Female
		Number	
All infant deaths	155	92	63
Infectious diseases (001-003, 101-139)	5	1	4
Influenza, pneumonia (480-487)	2	1	1
Congenital anomalies (740-759)	43	22	21
Certain causes of perinatal mortality			
Birth trauma, injury (763,767)	5	3	2
Hypoxia, asphyxia, respiratory (768-770)	39	24	15
Immaturity (765)	4	3	1
Other causes (remainder 760-779)	14	10	4
Other and ill-defined causes	43	28	15
		Rate per 1,000 live births	
All infant deaths	9.1	10.6	7.6
Infectious diseases (001-003, 101-139)	0.3	0.1	0.5
Influenza, pneumonia (480-487)	0.1	0.1	0.1
Congenital anomalies (740-759)	2.5	2.5	2.5
Certain causes of perinatal mortality			
Birth trauma, injury (763,767)	0.3	0.3	0.2
Hypoxia, asphyxia, respiratory (768-770)	2.3	2.8	1.8
Immaturity (765)	0.2	0.3	0.1
Other causes (remainder 760-779)	0.8	1.1	0.5
Other and ill-defined causes	2.5	3.2	1.8

Table 31. Infant Deaths from Specific Causes by Age at Death with Rates per 1,000 Live Births, Saskatchewan, 1987

Cause of death	Total	0-6 days	7-27 days	28 days to 12 months
	Number			
All infant deaths	155	68	19	68
Infectious diseases (001-003, 101-139)	5	—	1	4
Influenza, pneumonia (480-487)	2	—	—	2
Congenital anomalies (740-759)	43	18	9	16
Certain causes of perinatal mortality				
Birth trauma, injury (763,767)	5	5	—	—
Hypoxia, asphyxia, respiratory (768-770)	39	27	4	8
Immaturity (765)	4	3	1	—
Other causes (remainder 760-779)	14	13	1	—
Other and ill-defined causes	43	2	3	38
	Rate per 1,000 live births			
All infant deaths	9.1	4.0	1.1	4.0
Infectious diseases (001-003, 101-139)	0.3	—	0.1	0.2
Influenza, pneumonia (480-487)	0.1	—	—	0.1
Congenital anomalies (740-759)	2.5	1.1	0.5	0.9
Certain causes of perinatal mortality				
Birth trauma, injury (763,767)	0.3	0.3	—	—
Hypoxia, asphyxia, respiratory (768-770)	2.3	1.6	0.2	0.5
Immaturity (765)	0.2	0.2	0.1	—
Other causes (remainder 760-779)	0.8	0.8	0.1	—
Other and ill-defined causes	2.5	0.1	0.2	2.2

Marriages and Divorces

Rate of Marriages

There were 6,853 marriages in Saskatchewan in 1987 giving a marriage rate per 1,000 population of 6.8. For Canada as a whole, the rate increased slightly, from 6.9 in 1986 to 7.1 in 1987.

July was the most favoured month for marriages in 1987 followed by June and August. The smallest number of marriages occurred in January.

The following table shows the distribution of marriage registrations by month.

Month	*Number*
January	178
February	347
March	214
April	383
May	712
June	790
July	1,198
August	1,139
September	556
October	602
November	383
December	351

Previous Marital Status and Age at Marriage

In 1987 in Saskatchewan, 71.2 per cent of all marriages were between persons who had not been previously married.

Of brides, 10.1 per cent were age 19 or less, whereas 2.2 per cent of bridegrooms fell into this category. Nearly 37.2 per cent of all bridegrooms and 54.9 per cent of all brides were 24 years or less. The average age of grooms was 29.3 and brides 26.6.

The following table gives a comparison of the average age of bridegrooms and brides for the years 1975-1987.

Average Age at Time of Marriage in Years

	Bridegroom	*Bride*
1975	25.6	23.1
1976	25.8	23.2
1977	26.7	23.9
1978	26.3	23.6
1979	26.4	23.8
1980	26.7	24.0
1981	27.1	24.4
1982	27.1	24.4
1983	27.6	24.9
1984	28.0	25.3
1985	28.1	25.4
1986	28.5	25.9
1987	29.3	26.6

Birth Place and Religious Denomination

The number of Saskatchewan born brides was 5,419 or 79.1 per cent of total brides while Saskatchewan born grooms numbered 5,143 or 75.0 per cent; 93.7 per cent of all grooms and 94.7 per cent of all brides were born in Canada.

Both parties were of the same religious denomination in 44.7 per cent of all marriages recorded in Saskatchewan in 1987.

Divorces and Annulments

There were 2,909 divorces and annulments in Saskatchewan in 1987, an increase of 460 from the previous year. The rate of divorces and annulments per 100,000 population in 1987 was 287 compared to 243 for 1986.

The ratio of divorces and annulments to marriages was 1:3 in 1986 and 1:2 in 1987.

Table 32. Divorces and Annulments, Ratio to Marriages, and Rate per 100,000 Population, Saskatchewan, 1981-1987

Item	1981	1982	1983	1984	1985	1986	1987
Number of divorces and annulments	1,932	1,815	2,000	1,988	1,927	2,449†	2,909
Number of marriages	7,325	7,491	7,504	7,213	7,132	6,820	6,853
Ratio of divorces and annulments to marriages	1:4	1:4	1:4	1:4	1:4	1:3	1:2
Rate of divorces and annulments per 100,000 population	199	185	202	198	189	243†	287

† Revised figure.

Source: Divorce figures from Statistics Canada publication "Vital Statistics, Volume II Marriages and Divorces", 84-205.

Table 33. Marriages by Previous Marital Status of Bridegroom and Bride, Saskatchewan, 1987

Status of bridegroom	Total	Status of bride		
		Single	Widow	Divorced
Total	6,853	5,487	259	1,107
Single	5,446	4,883	71	492
Widower	211	26	96	89
Divorced	1,196	578	92	526

Table 34. Bridegrooms and Brides by Age and Previous Marital Status, Saskatchewan, 1987

Age group	Bridegrooms				Brides			
	Total	Single	Widower	Divorced	Total	Single	Widow	Divorced
Total	6,853	5,446	211	1,196	6,853	5,487	259	1,107
Under 20	148	148	—	—	689	688	—	1
20-24	2,403	2,387	—	16	3,071	2,990	8	73
25-29	2,101	1,934	2	165	1,619	1,327	14	278
30-34	989	657	11	321	625	319	18	288
35-39	442	187	13	242	317	106	14	197
40-44	247	62	9	176	167	35	20	112
45-49	122	21	13	88	115	6	32	77
50-54	112	14	22	76	73	4	28	41
55-59	99	15	23	61	63	7	34	22
60-64	68	9	36	23	43	1	31	11
65-69	60	6	37	17	32	4	25	3
70-74	32	3	23	6	26	—	22	4
75+	30	3	22	5	13	—	13	—
Average age	29.3	26.1	59.1	38.7	26.6	23.7	52.4	34.8
Median age	26.0	25.0	61.0	36.0	24.0	23.0	53.0	33.0

Average and median ages were calculated using single year age groups.

Table 35. Marriages by Religious Denomination of Bridegroom and Bride, Saskatchewan, 1987

Denomination	Number			Per cent		
	Both parties*	Bridegroom	Bride	Both parties*	Bridegroom	Bride
Total	3,047	6,853	6,853	44.5	100.0	100.0
Baptists	49	128	126	0.7	1.9	1.8
Lutherans	156	506	580	2.3	7.4	8.5
Mennonites	97	187	179	1.4	2.7	2.6
Presbyterians	14	93	81	0.2	1.4	1.2
Roman Catholics	1,026	2,074	2,176	15.0	30.3	31.8
United Church	711	1,613	1,594	10.4	23.5	23.3
All other religions	682	1,353	1,324	10.0	19.7	19.3
No religion	168	388	282	2.5	5.7	4.1
Unspecified or unknown	144	511	511	2.1	7.5	7.5

* *These figures and percentages represent marriages in which both the bridegroom and bride were of the same religious denomination. The difference between this figure and the total number of marriages represents the proportion in which bridegroom and bride were of different religious denominations. Includes Eastern Orthodox Churches and Doukhobors.*

Table 36. Marriages by Birthplace of Bridegroom and Bride, Saskatchewan, 1987

Birthplace of bridegroom	Birthplace of bride												
	Total	Sask.	Alta.	B.C.	Man.	Ont.	Other prov.	U.S.	Asia	Europe	Africa	Other	Not stated
Total	6,853	5,419	287	144	313	223	103	74	110	126	12	41	1
Saskatchewan	5,143	4,254	208	97	216	146	55	48	22	76	4	17	—
Alberta	321	256	28	6	8	5	7	2	3	6	—	—	—
British Columbia	135	94	3	13	4	8	4	2	—	7	—	—	—
Manitoba	343	245	17	6	44	14	6	1	2	7	—	1	—
Ontario	307	224	13	8	15	22	7	7	6	4	1	—	—
Other provinces	170	111	7	6	10	9	23	1	1	2	—	—	—
United States	94	64	5	2	5	7	—	8	—	2	—	1	—
Asia	98	18	—	—	—	2	—	—	75	—	1	2	—
Europe	178	122	6	3	10	6	1	4	1	20	1	4	—
Africa	16	7	—	—	1	2	—	—	—	—	5	1	—
Other	47	24	—	3	—	2	—	1	—	2	—	15	—
Not stated	1	—	—	—	—	—	—	—	—	—	—	—	1

Life Expectancy

A life expectancy table is, in effect, the history of mortality of 100,000 male babies and of 100,000 female babies born at the same time. Life expectancy figures provide a graphic picture of the extent to which the saving of lives has gradually prolonged the average expectation of life, and are fairly good mirrors reflecting the general health and survival conditions at the time of their compiling.

According to the Saskatchewan life table compiled on the basis of the 1986 census, the life expectancy at birth reached an all time peak for females, 80.47 years, and for males, 73.66 years. The gain in life expectancy is greater in females. A sharp rise in the probability of death begins at age 55 for males and at 65 for females, the decrease in expectancy being faster for males than females.

Table 37. Life Expectancy, Saskatchewan, 1941, 1961, 1986

	Life expectancy			Gain or loss in life expectancy	
Age	1941	1961	1986	1961 over 1941	1986 over 1961
	Males				
At birth	65.43	70.27	73.66	4.84	3.39
20	51.28	53.49	55.28	2.21	1.79
40	33.32	34.99	36.70	1.67	1.71
60	16.82	18.10	19.62	1.28	1.52
80	5.76	6.31	7.59	0.55	1.28
	Females				
At birth	68.19	75.93	80.47	7.74	4.54
20	53.08	58.35	61.64	5.27	3.29
40	34.96	39.09	42.28	4.13	3.19
60	18.26	21.09	24.21	2.83	3.12
80	6.38	7.29	9.40	0.91	2.11

Note: Source of figures for 1941: Life Tables for Canada and Regions, 1941 and 1931, D.B.S. Ottawa 1947. These figures have been calculated for the prairie provinces. The figures for 1961 have been calculated for Saskatchewan by the Department of Health. The figures for 1986 are taken from the Statistics Canada publication, Life Tables, Canada and Provinces, 1985-1987.

Table 38. Life Table for Saskatchewan in Shortened Form, 1986 — Males

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100,000	1,061	.01061	73.66
1 year	98,939	78	.00079	73.45
2 years	98,861	71	.00072	72.51
3 years	98,790	68	.00069	71.56
4 years	98,722	57	.00058	70.61
5 years	98,665	43	.00043	69.65
10 years	98,530	28	.00028	64.74
15 years	98,286	100	.00101	59.90
20 years	97,625	167	.00171	55.28
25 years	96,779	150	.00155	50.75
30 years	96,098	128	.00134	46.09
35 years	95,440	139	.00146	41.39
40 years	94,668	189	.00199	36.70
45 years	93,525	303	.00324	32.12
50 years	91,657	496	.00541	27.72
55 years	88,697	739	.00833	23.56
60 years	84,386	1,072	.01270	19.62
65 years	78,073	1,590	.02037	16.00
70 years	68,912	2,179	.03163	12.77
75 years	56,750	2,822	.04972	9.95
80 years	41,829	3,090	.07388	7.59
85 years	26,498	2,942	.11100	5.55

Table 38. Life Table for Saskatchewan in Shortened Form, 1986 — Females (Continued)

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100,000	869	.00869	80.47
1 year	99,131	55	.00055	80.17
2 years	94,076	35	.00035	79.21
3 years	99,041	28	.00028	78.24
4 years	99,013	23	.00024	77.26
5 years	98,990	23	.00023	76.28
10 years	98,875	23	.00023	71.37
15 years	98,731	46	.00046	66.47
20 years	98,464	53	.00054	61.64
25 years	98,212	52	.00053	56.79
30 years	97,938	58	.00059	51.94
35 years	97,632	67	.00069	47.10
40 years	97,237	105	.00109	42.28
45 years	96,576	177	.00183	37.55
50 years	95,493	287	.00300	32.95
55 years	93,780	430	.00459	28.50
60 years	91,256	633	.00694	24.21
65 years	87,605	870	.00994	20.11
70 years	82,549	1,273	.01542	16.18
75 years	74,908	1,956	.02611	12.56
80 years	63,175	2,989	.04731	9.40
85 years	46,315	3,806	.08218	6.87